Joanna M Wardlaw

List of Publications by Year
in descending order

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812 papers	64,612 citations	1118 115 h-index	2018 212 g-index
873 all docs	873 docs citations	873 times ranked	50886 citing authors

#	Article	IF	Citations
1	Phenotypes of Chronic Covert Brain Infarction in Patients With First-Ever Ischemic Stroke: A Cohort Study. Stroke, 2022, 53, 558-568.	1.0	9
2	Predicting post-stroke cognitive impairment using acute CT neuroimaging: A systematic review and meta-analysis. International Journal of Stroke, 2022, 17, 618-627.	2.9	15
3	Cerebral Vascular Dysfunctions Detected in Human Small Vessel Disease and Implications for Preclinical Studies. Annual Review of Physiology, 2022, 84, 409-434.	5.6	23
4	Epigenome-wide association study of global cortical volumes in generation Scotland: Scottish family health study. Epigenetics, 2022, 17, 1143-1158.	1.3	3
5	Early lowering of blood pressure after acute intracerebral haemorrhage: a systematic review and meta-analysis of individual patient data. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 6-13.	0.9	25
6	Prevalence of dementia in ischaemic or mixed stroke populations: systematic review and meta-analysis. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 180-187.	0.9	25
7	Effects of Cilostazol and Isosorbide Mononitrate on Cerebral Hemodynamics in the LACI-1 Randomized Controlled Trial. Stroke, 2022, 53, 29-33.	1.0	10
8	Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. Brain, 2022, 145, 1992-2007.	3.7	6
9	Perivascular space in Parkinson's disease: Association with CSF amyloid/tau and cognitive decline. Parkinsonism and Related Disorders, 2022, 95, 70-76.	1.1	16
10	Letter by Meinel et al. regarding article, â€œIncidental findings on 3ÂT neuroimaging: crossâ€'sectional observations from the populationâ€'based Rhineland Studyâ€• Neuroradiology, 2022, 64, 429.	1.1	0
11	Blood-based epigenome-wide analyses of cognitive abilities. Genome Biology, 2022, 23, 26.	3.8	20
12	Pre-hospital transdermal glyceryl trinitrate in patients with stroke mimics: data from the RIGHT-2 randomised-controlled ambulance trial. BMC Emergency Medicine, 2022, 22, 2.	0.7	4
13	Neuropsychiatric symptoms as a sign of small vessel disease progression in cognitive impairment. Cerebral Circulation - Cognition and Behavior, 2022, 3, 100041.	0.4	2
14	Circulating Metabolome and White Matter Hyperintensities in Women and Men. Circulation, 2022, 145, 1040-1052.	1.6	17
15	Effect of continuing versus stopping pre-stroke antihypertensive agents within 12Âh on outcome after stroke: A subgroup analysis of the efficacy of nitric oxide in stroke (ENOS) trial. EClinicalMedicine, 2022, 44, 101274.	3.2	1
16	Measuring axial length of the eye from magnetic resonance brain imaging. BMC Ophthalmology, 2022, 22, 54.	0.6	7
17	Bloodâ€"brain barrier link to human cognitive impairment and Alzheimerâ€™s disease. , 2022, 1, 108-115.		45
18	Impact of Small Vessel Disease Progression on Long-term Cognitive and Functional Changes After Stroke. Neurology, 2022, 98, .	1.5	9

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19	Thoracic Aortic 18F-Sodium Fluoride Activity and Ischemic Stroke in Patients With Established Cardiovascular Disease. JACC: Cardiovascular Imaging, 2022, 15, 1274-1288.	2.3	27
20	DNA methylation in relation to gestational age and brain dysmaturation in preterm infants. Brain Communications, 2022, 4, fcac056.	1.5	14
21	Mediterranean-Type Diet and Brain Structural Change from 73 to 79 Years in the Lothian Birth Cohort 1936. Journal of Nutrition, Health and Aging, 2022, 26, 368-372.	1.5	1
22	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	7.1	75
23	Not Just Blood: Brain Fluid Systems and Their Relevance to Cerebrovascular Diseases. Stroke, 2022, 53, 1399-1401.	1.0	2
24	Accuracy of Automated Computer-Aided Diagnosis for Stroke Imaging: A Critical Evaluation of Current Evidence. Stroke, 2022, 53, 2393-2403.	1.0	22
25	Network impact score is an independent predictor of post-stroke cognitive impairment: A multicenter cohort study in 2341 patients with acute ischemic stroke. NeuroImage: Clinical, 2022, 34, 103018.	1.4	4
26	Contribution of white matter hyperintensities to ventricular enlargement in older adults. NeuroImage: Clinical, 2022, 34, 103019.	1.4	4
27	Loss of the heterogeneous expression of flippase ATP11B leads to cerebral small vessel disease in a normotensive rat model. Acta Neuropathologica, 2022, 144, 283-303.	3.9	7
28	Prevalence and Significance of the Vessel-Cluster Sign on Susceptibility-Weighted Imaging in Patients With Severe Small Vessel Disease. Neurology, 2022, 99, .	1.5	11
29	¹⁸F-NaF PET/MRI for Detection of Carotid Atheroma in Acute Neurovascular Syndrome. Radiology, 2022, 305, 137-148.	3.6	7
30	A link between frontal white matter integrity and dizziness in cerebral small vessel disease. NeuroImage: Clinical, 2022, 35, 103098.	1.4	8
31	Systematic Review of Cerebral Phenotypes Associated With Monogenic Cerebral Smallâ€Vessel Disease. Journal of the American Heart Association, 2022, 11, .	1.6	10
32	The Open-Access European Prevention of Alzheimerâ€™s Dementia (EPAD) MRI dataset and processing workflow. NeuroImage: Clinical, 2022, 35, 103106.	1.4	9
33	Characterization of perivascular space pathology in a rat model of cerebral small vessel disease by in vivo magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1813-1826.	2.4	8
34	The Boston criteria version 2.0 for cerebral amyloid angiopathy: a multicentre, retrospective, MRIâ€“neuropathology diagnostic accuracy study. Lancet Neurology, The, 2022, 21, 714-725.	4.9	168
35	An epigenetic predictor of death captures multi-modal measures of brain health. Molecular Psychiatry, 2021, 26, 3806-3816.	4.1	77
36	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. Molecular Psychiatry, 2021, 26, 3884-3895.	4.1	34

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37	Hyperdense artery sign, symptomatic infarct swelling and effect of alteplase in acute ischaemic stroke. Stroke and Vascular Neurology, 2021, 6, 238-243.	1.5	6
38	Relationship between nitrate headache and outcome in patients with acute stroke: results from the efficacy of nitric oxide in stroke (ENOS) trial. Stroke and Vascular Neurology, 2021, 6, 180-186.	1.5	2
39	Association of baseline hematoma and edema volumes with one-year outcome and long-term survival after spontaneous intracerebral hemorrhage: A community-based inception cohort study. International Journal of Stroke, 2021, 16, 828-839.	2.9	6
40	Aging-Sensitive Networks Within the Human Structural Connectome Are Implicated in Late-Life Cognitive Declines. Biological Psychiatry, 2021, 89, 795-806.	0.7	23
41	Association between Computed Tomographic Biomarkers of Cerebral Small Vessel Diseases and Longâ€Term Outcome after Spontaneous Intracerebral Hemorrhage. Annals of Neurology, 2021, 89, 266-279.	2.8	13
42	Diffuse white matter loss in a transgenic rat model of cerebral amyloid angiopathy. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1103-1118.	2.4	12
43	Rationale and design of a longitudinal study of cerebral small vessel diseases, clinical and imaging outcomes in patients presenting with mild ischaemic stroke: Mild Stroke Study 3. European Stroke Journal, 2021, 6, 81-88.	2.7	17
44	Intensive versus guidelineâ€recommended blood pressure reduction in acute lacunar stroke with intravenous thrombolysis therapy: The ENCHANTED trial. European Journal of Neurology, 2021, 28, 783-793.	1.7	8
45	Structural brain correlates of serum and epigenetic markers of inflammation in major depressive disorder. Brain, Behavior, and Immunity, 2021, 92, 39-48.	2.0	53
46	Pharmacokinetic modelling for the simultaneous assessment of perfusion and 18F-flutemetamol uptake in cerebral amyloid angiopathy using a reduced PET-MR acquisition time: Proof of concept. NeuroImage, 2021, 225, 117482.	2.1	2
47	Cognitive impairment in sporadic cerebral small vessel disease: A systematic review and metaâ€analysis. Alzheimer's and Dementia, 2021, 17, 665-685.	0.4	95
48	Brain network reorganisation and spatial lesion distribution in systemic lupus erythematosus. Lupus, 2021, 30, 285-298.	0.8	6
49	Neuropsychiatric symptoms associated with cerebral small vessel disease: a systematic review and meta-analysis. Lancet Psychiatry,the, 2021, 8, 225-236.	3.7	77
50	Rates, risks and routes to reduce vascular dementia (R4vad), a UK-wide multicentre prospective observational cohort study of cognition after stroke: Protocol. European Stroke Journal, 2021, 6, 89-101.	2.7	15
51	Feasibility and diagnostic accuracy of using brain attenuation changes on CT to estimate time of ischemic stroke onset. Neuroradiology, 2021, 63, 869-878.	1.1	10
52	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. Translational Stroke Research, 2021, 12, 15-30.	2.3	18
53	4D flow MRI for non-invasive measurement of blood flow in the brain: A systematic review. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 206-218.	2.4	25
54	Selective Motion Artefact Reduction via Radiomics and k-space Reconstruction for Improving Perivascular Space Quantification in Brain Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2021, , 151-164.	1.0	1

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55	Probabilistic Deep Learning withÂAdversarial Training and Volume Interval Estimation - Better Ways toÂPerform andÂEvaluate Predictive Models for White Matter Hyperintensities Evolution. Lecture Notes in Computer Science, 2021, , 168-180.	1.0	1
56	Multinational Survey of Current Practice from Imaging to Treatment of Atherosclerotic Carotid Stenosis. Cerebrovascular Diseases, 2021, 50, 108-120.	0.8	11
57	Zooming in on cerebral small vessel function in small vessel diseases with 7T MRI: Rationale and design of the â€œZOOM@SVDsâ€•study. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100013.	0.4	8
58	Three major dimensions of human brain cortical ageing in relation to cognitive decline across the eighth decade of life. Molecular Psychiatry, 2021, 26, 2651-2662.	4.1	29
59	Cerebrovascular disease in patients with cognitive impairment: A white paper from the ESO dementia committee â€“ A practical point of view with suggestions for the management of cerebrovascular diseases in memory clinics. European Stroke Journal, 2021, 6, 111-119.	2.7	9
60	Cognitive impairment in patients with cerebrovascular disease: A white paper from the links between stroke ESO Dementia Committee. European Stroke Journal, 2021, 6, 5-17.	2.7	37
61	Cerebrovascular Reactivity Measurement Using Magnetic Resonance Imaging: A Systematic Review. Frontiers in Physiology, 2021, 12, 643468.	1.3	65
62	Low-Dose vs Standard-Dose Alteplase in Acute Lacunar Ischemic Stroke. Neurology, 2021, 96, e1512-e1526.	1.5	16
63	Lacunar Stroke Lesion Extent and Location and White Matter Hyperintensities Evolution 1 Year Post-lacunar Stroke. Frontiers in Neurology, 2021, 12, 640498.	1.1	6
64	Post-stroke Cognition at 1 and 3 Years Is Influenced by the Location of White Matter Hyperintensities in Patients With Lacunar Stroke. Frontiers in Neurology, 2021, 12, 634460.	1.1	7
65	Abstract MP3: Low Dose versus Standard Dose Alteplase in Acute Lacunar Ischemic Stroke. Stroke, 2021, 52, .	1.0	0
66	30 Informant-Reported Decline Associates with Silent Acute Stroke Lesions and Worse Small Vessel Disease in Mild Stroke Patients. Age and Ageing, 2021, 50, i7-i11.	0.7	0
67	Application of the ATN classification scheme in a population without dementia: Findings from the EPAD cohort. Alzheimer's and Dementia, 2021, 17, 1189-1204.	0.4	44
68	Development of imaging-based risk scores for prediction of intracranial haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. Lancet Neurology, The, 2021, 20, 294-303.	4.9	37
69	A four-dimensional computational model of dynamic contrast-enhanced magnetic resonance imaging measurement of subtle blood-brain barrier leakage. NeuroImage, 2021, 230, 117786.	2.1	15
70	Imaging Advances. Stroke, 2021, 52, 1486-1489.	1.0	0
71	Genetic basis of lacunar stroke: a pooled analysis of individual patient data and genome-wide association studies. Lancet Neurology, The, 2021, 20, 351-361.	4.9	95
72	Comparison of structural MRI brain measures between 1.5 and 3ÂT: Data from the Lothian Birth Cohort 1936. Human Brain Mapping, 2021, 42, 3905-3921.	1.9	11

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73	Sources of systematic error in DCEâ€MRI estimation of lowâ€level bloodâ€brain barrier leakage. Magnetic Resonance in Medicine, 2021, 86, 1888-1903.	1.9	21
74	Associations Between White Matter Hyperintensity Burden, Cerebral Blood Flow and Transit Time in Small Vessel Disease: An Updated Meta-Analysis. Frontiers in Neurology, 2021, 12, 647848.	1.1	41
75	Potential recruitment into a clinical trial of vascular secondary prevention medications in cerebral small vessel disease, based on concomitant medication use. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100015.	0.4	0
76	ESO Guideline on covert cerebral small vessel disease. European Stroke Journal, 2021, 6, CXI-CLXII.	2.7	68
77	Strategic infarct locations for post-stroke cognitive impairment: a pooled analysis of individual patient data from 12 acute ischaemic stroke cohorts. Lancet Neurology, The, 2021, 20, 448-459.	4.9	120
78	Thrombolysis outcomes according to arterial characteristics of acute ischemic stroke by alteplase dose and blood pressure target. International Journal of Stroke, 2021, , 174749302110254.	2.9	0
79	Cerebral small vessel disease burden and longitudinal cognitive decline from age 73 to 82: the Lothian Birth Cohort 1936. Translational Psychiatry, 2021, 11, 376.	2.4	19
80	A Comparison of CVR Magnitude and Delay Assessed at 1.5 and 3T in Patients With Cerebral Small Vessel Disease. Frontiers in Physiology, 2021, 12, 644837.	1.3	9
81	Response to Schroeter ML, Letter, Small vessel disease and social cognition. Alzheimer's and Dementia, 2021, , .	0.4	0
82	Meta-analysis of epigenome-wide association studies of carotid intima-media thickness. European Journal of Epidemiology, 2021, 36, 1143-1155.	2.5	10
83	Correlations in postâ€mortem imagingâ€histopathology studies of sporadic human cerebral small vessel disease: A systematic review. Neuropathology and Applied Neurobiology, 2021, 47, 910-930.	1.8	17
84	Diffusion-weighted imaging lesions and risk of recurrent stroke after intracerebral haemorrhage. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 950-955.	0.9	9
85	ESO Guideline on covert cerebral small vessel disease. European Stroke Journal, 2021, 6, IV-IV.	2.7	14
86	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.	1.2	25
87	A Stroke Is a Stroke, With or Without a Visible Infarct. Neurology, 2021, 97, 515-516.	1.5	1
88	Reply to: Rethink the classical view of cerebrospinal fluid production. Nature Reviews Neurology, 2021, 17, 590-591.	4.9	1
89	Early decompressive hemicraniectomy in thrombolyzed acute ischemic stroke patients from the international ENCHANTED trial. Scientific Reports, 2021, 11, 16495.	1.6	1
90	Associations between total MRI-visible small vessel disease burden and domain-specific cognitive abilities in a community-dwelling older-age cohort. Neurobiology of Aging, 2021, 105, 25-34.	1.5	5

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91	Early life predictors of late life cerebral small vessel disease in four prospective cohort studies. Brain, 2021, 144, 3769-3778.	3.7	21
92	Effects of Antiplatelet Therapy After Stroke Caused by Intracerebral Hemorrhage. JAMA Neurology, 2021, 78, 1179.	4.5	25
93	Relationship between inferior frontal sulcal hyperintensities on brain MRI, ageing and cerebral small vessel disease. Neurobiology of Aging, 2021, 106, 130-138.	1.5	5
94	Cilostazol for Secondary Stroke Prevention. Stroke, 2021, 52, e635-e645.	1.0	17
95	Effects of oral anticoagulation for atrial fibrillation after spontaneous intracranial haemorrhage in the UK: a randomised, open-label, assessor-masked, pilot-phase, non-inferiority trial. Lancet Neurology, The, 2021, 20, 842-853.	4.9	44
96	Imaging neurovascular, endothelial and structural integrity in preparation to treat small vessel diseases. The INVESTIGATE-SVDs study protocol. Part of the SVDs@Target project. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100020.	0.4	8
97	Birth weight is associated with brain tissue volumes seven decades later but not with MRI markers of brain ageing. NeuroImage: Clinical, 2021, 31, 102776.	1.4	14
98	Identification of plasma proteins relating to brain neurodegeneration and vascular pathology in cognitively normal individuals. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12240.	1.2	4
99	Clinical management of cerebral small vessel disease: a call for a holistic approach. Chinese Medical Journal, 2021, 134, 127-142.	0.9	13
100	Hair glucocorticoids are associated with childhood adversity, depressive symptoms and reduced global and lobar grey matter in Generation Scotland. Translational Psychiatry, 2021, 11, 523.	2.4	13
101	Sex Differences in Cerebral Small Vessel Disease: A Systematic Review and Meta-Analysis. Frontiers in Neurology, 2021, 12, 756887.	1.1	29
102	DNA Methylation and Protein Markers of Chronic Inflammation and Their Associations With Brain and Cognitive Aging. Neurology, 2021, 97, e2340-e2352.	1.5	44
103	Tracer kinetic assessment of bloodâ€“brain barrier leakage and blood volume in cerebral small vessel disease: Associations with disease burden and vascular risk factors. NeuroImage: Clinical, 2021, 32, 102883.	1.4	7
104	Small vessel disease is associated with altered cerebrovascular pulsatility but not resting cerebral blood flow. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 85-99.	2.4	77
105	Cortical thickness, white matter hyperintensities, and cognition after stroke. International Journal of Stroke, 2020, 15, 46-54.	2.9	19
106	White matter hyperintensities mediate the association between blood-brain barrier leakage and information processing speed. Neurobiology of Aging, 2020, 85, 113-122.	1.5	42
107	Mechanical thrombectomy in patients with acute ischemic stroke: A cost-effectiveness and value of implementation analysis. International Journal of Stroke, 2020, 15, 881-898.	2.9	19
108	Perivascular spaces in the centrum semiovale at the beginning of the 8th decade of life: effect on cognition and associations with mineral deposition. Brain Imaging and Behavior, 2020, 14, 1865-1875.	1.1	19

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109	Analysis of dynamic texture and spatial spectral descriptors of dynamic contrast-enhanced brain magnetic resonance images for studying small vessel disease. Magnetic Resonance Imaging, 2020, 66, 240-247.	1.0	6
110	Sleep and brain morphological changes in the eighth decade of life. Sleep Medicine, 2020, 65, 152-158.	0.8	27
111	Predictors of Lesion Cavitation After Recent Small Subcortical Stroke. Translational Stroke Research, 2020, 11, 402-411.	2.3	12
112	Neuromyelitis optica in patients with increased interferon alpha concentrations. Lancet Neurology, The, 2020, 19, 31-33.	4.9	14
113	Fluctuating asymmetry in brain structure and general intelligence in 73-year-olds. Intelligence, 2020, 78, 101407.	1.6	9
114	Computational quantification of brain perivascular space morphologies: Associations with vascular risk factors and white matter hyperintensities. A study in the Lothian Birth Cohort 1936. NeuroImage: Clinical, 2020, 25, 102120.	1.4	51
115	Brain atrophy in cerebral small vessel diseases: Extent, consequences, technical limitations and perspectives: The HARNESS initiative. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 231-245.	2.4	49
116	Limited One-time Sampling Irregularity Map (LOTS-IM) for Automatic Unsupervised Assessment of White Matter Hyperintensities and Multiple Sclerosis Lesions in Structural Brain Magnetic Resonance Images. Computerized Medical Imaging and Graphics, 2020, 79, 101685.	3.5	12
117	The glymphatic system and its role in cerebral homeostasis. Journal of Applied Physiology, 2020, 129, 1330-1340.	1.2	22
118	The Application of Optical Coherence Tomography Angiography in Cerebral Small Vessel Disease, Ischemic Stroke, and Dementia: A Systematic Review. Frontiers in Neurology, 2020, 11, 1009.	1.1	23
119	Dietary patterns, cognitive function, and structural neuroimaging measures of brain aging. Experimental Gerontology, 2020, 142, 111117.	1.2	23
120	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	5.8	61
121	A new dawn of preventing dementia by preventing cerebrovascular diseases. BMJ, The, 2020, 371, m3692.	3.0	22
122	Brain imaging abnormalities and outcome after acute ischaemic stroke: the ENCHANTED trial. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 1290-1296.	0.9	16
123	Intracranial Bleeding After Reperfusion Therapy in Acute Ischaemic Stroke Patients Randomized to Glyceryl Trinitrate vs. Control: An Individual Patient Data Meta-Analysis. Frontiers in Neurology, 2020, 11, 584038.	1.1	2
124	Protocol: The Lacunar Intervention Trial 2 (LACI-2). A trial of two repurposed licenced drugs to prevent progression of cerebral small vessel disease. European Stroke Journal, 2020, 5, 297-308.	2.7	22
125	Tackling challenges in care of Alzheimer's disease and other dementias amid the COVIDâ€19 pandemic, now and in the future. Alzheimer's and Dementia, 2020, 16, 1571-1581.	0.4	122
126	Association of common genetic variants with brain microbleeds. Neurology, 2020, 95, e3331-e3343.	1.5	40

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127	Reperfusion of Ischaemic Brain by Intravenous Thrombolysis. , 2020, , 98-126.		0
128	Response by Doubal et al to Letter Regarding Article, â€œCilostazol for Secondary Prevention of Stroke and Cognitive Decline: Systematic Review and Meta-Analysisâ€• Stroke, 2020, 51, e377.	1.0	0
129	Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285.	5.8	89
130	Quantitative measurements of enlarged perivascular spaces in the brain are associated with retinal microvascular parameters in older community-dwelling subjects. Cerebral Circulation - Cognition and Behavior, 2020, 1, 100002.	0.4	6
131	Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. Frontiers in Psychiatry, 2020, 11, 342.	1.3	26
132	Intracranial hemodynamic relationships in patients with cerebral small vessel disease. Neurology, 2020, 94, e2258-e2269.	1.5	86
133	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	1.0	71
134	Thrombolysis Outcomes in Acute Ischemic Stroke by Fluid-Attenuated Inversion Recovery Hyperintense Arteries. Stroke, 2020, 51, 2240-2243.	1.0	7
135	DNA methylation and brain structure and function across the life course: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 113, 133-156.	2.9	47
136	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	6.0	450
137	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. Cerebral Cortex, 2020, 30, 4121-4139.	1.6	16
138	Examining the Relationship between Semiquantitative Methods Analysing Concentration-Time and Enhancement-Time Curves from Dynamic-Contrast Enhanced Magnetic Resonance Imaging and Cerebrovascular Dysfunction in Small Vessel Disease. Journal of Imaging, 2020, 6, 43.	1.7	1
139	Cilostazol for Secondary Prevention of Stroke and Cognitive Decline. Stroke, 2020, 51, 2374-2385.	1.0	68
140	Imaging markers of small vessel disease and brain frailty, and outcomes in acute stroke. Neurology, 2020, 94, e439-e452.	1.5	91
141	Perivascular spaces in the brain: anatomy, physiology and pathology. Nature Reviews Neurology, 2020, 16, 137-153.	4.9	405
142	Polygenic Architecture of Human Neuroanatomical Diversity. Cerebral Cortex, 2020, 30, 2307-2320.	1.6	16
143	Optimal Mass Transport with Lagrangian Workflow Reveals Advective and Diffusion Driven Solute Transport in the Glymphatic System. Scientific Reports, 2020, 10, 1990.	1.6	75
144	Automatic spatial estimation of white matter hyperintensities evolution in brain MRI using disease evolution predictor deep neural networks. Medical Image Analysis, 2020, 63, 101712.	7.0	16

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145	Clinical prognosis of FLAIR hyperintense arteries in ischaemic stroke patients: a systematic review and meta-analysis. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 475-482.	0.9	9
146	Improving Clinical Detection of Acute Lacunar Stroke. Stroke, 2020, 51, 1411-1418.	1.0	11
147	Relationship Between Venules and Perivascular Spaces in Sporadic Small Vessel Diseases. Stroke, 2020, 51, 1503-1506.	1.0	20
148	A Framework for Jointly Assessing and Reducing Imaging Artefacts Automatically Using Texture Analysis and Total Variation Optimisation for Improving Perivascular Spaces Quantification in Brain Magnetic Resonance Imaging. Communications in Computer and Information Science, 2020, , 171-183.	0.4	4
149	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. Nature Communications, 2020, 11, 800.	5.8	42
150	Retinal Biomarkers Discovery for Cerebral Small Vessel Disease in an Older Population. Communications in Computer and Information Science, 2020, , 400-409.	0.4	2
151	Analysis of Spatial Spectral Features of Dynamic Contrast-Enhanced Brain Magnetic Resonance Images for Studying Small Vessel Disease. Communications in Computer and Information Science, 2020, , 282-293.	0.4	1
152	The Glymphatic System and Waste Clearance with Brain Aging: A Review. Gerontology, 2019, 65, 106-119.	1.4	291
153	Longitudinal MRI dynamics of recent small subcortical infarcts and possible predictors. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1669-1677.	2.4	27
154	Preventing dementia by preventing stroke: The Berlin Manifesto. Alzheimer's and Dementia, 2019, 15, 961-984.	0.4	200
155	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. Frontiers in Psychiatry, 2019, 10, 524.	1.3	33
156	Retinal microvascular features and cognitive change in the Lothianâ€Birth Cohort 1936. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 500-509.	1.2	8
157	Effects of Isosorbide Mononitrate and/or Cilostazol on Hematological Markers, Platelet Function, and Hemodynamics in Patients With Lacunar Ischaemic Stroke: Safety Data From the Lacunar Intervention-1 (LACI-1) Trial. Frontiers in Neurology, 2019, 10, 723.	1.1	9
158	Epigenetic signatures of smoking associate with cognitive function, brain structure, and mental and physical health outcomes in the Lothian Birth Cohort 1936. Translational Psychiatry, 2019, 9, 248.	2.4	34
159	Manually-parcellated gyral data accounting for all known anatomical variability. Scientific Data, 2019, 6, 190001.	2.4	2
160	Effect of Glyceryl Trinitrate on Hemodynamics in Acute Stroke. Stroke, 2019, 50, 405-412.	1.0	7
161	Spatial Gradient of Microstructural Changes in Normal-Appearing White Matter in Tracts Affected by White Matter Hyperintensities in Older Age. Frontiers in Neurology, 2019, 10, 784.	1.1	30
162	Observer Agreement on Computed Tomography Perfusion Imaging in Acute Ischemic Stroke. Stroke, 2019, 50, 3108-3114.	1.0	5

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163	Prehospital Transdermal Glyceryl Trinitrate for Ultra-Acute Intracerebral Hemorrhage. Stroke, 2019, 50, 3064-3071.	1.0	36
164	Special topic section: linkages among cerebrovascular, cardiovascular, and cognitive disorders: Preventing dementia by preventing stroke: The Berlin Manifesto. International Journal of Stroke, 2019, , 174749301987191.	2.9	13
165	Brain Morphometry and Longitudinal Relaxation Time of Spontaneously Hypertensive Rats (SHRs) in Early and Intermediate Stages of Hypertension Investigated by 3D VFA-SPGR MRI. Neuroscience, 2019, 404, 14-26.	1.1	23
166	It is safe to use transdermal glyceryl trinitrate to lower blood pressure in patients with acute ischaemic stroke with carotid stenosis. Stroke and Vascular Neurology, 2019, 4, 28-35.	1.5	3
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