

Joanna M Wardlaw

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

795
papers

45,608
citations

102
h-index

185
g-index

873
ext. papers

55,995
ext. citations

7.1
avg, IF

7.59
L-index

#	Paper	IF	Citations
795	Letter by Meinel et al. regarding article, "Incidental findings on 3T neuroimaging: cross-sectional observations from the population-based Rhineland Study".. <i>Neuroradiology</i> , 2022 , 64, 429	3.2	
794	Blood-based epigenome-wide analyses of cognitive abilities.. <i>Genome Biology</i> , 2022 , 23, 26	18.3	1
793	Pre-hospital transdermal glyceryl trinitrate in patients with stroke mimics: data from the RIGHT-2 randomised-controlled ambulance trial.. <i>BMC Emergency Medicine</i> , 2022 , 22, 2	2.4	0
792	Neuropsychiatric symptoms as a sign of small vessel disease progression in cognitive impairment. <i>Cerebral Circulation - Cognition and Behavior</i> , 2022 , 3, 100041	0	1
791	Effect of continuing versus stopping pre-stroke antihypertensive agents within 12h on outcome after stroke: A subgroup analysis of the efficacy of nitric oxide in stroke (ENOS) trial.. <i>EClinicalMedicine</i> , 2022 , 44, 101274	11.3	1
790	Measuring axial length of the eye from magnetic resonance brain imaging.. <i>BMC Ophthalmology</i> , 2022 , 22, 54	2.3	1
789	Blood-brain barrier link to human cognitive impairment and Alzheimer's Disease. 2022 , 1, 108-115		3
788	Perivascular space in Parkinson's disease: Association with CSF amyloid/tau and cognitive decline.. <i>Parkinsonism and Related Disorders</i> , 2022 , 95, 70-76	3.6	0
787	DNA methylation in relation to gestational age and brain dysmaturation in preterm infants.. <i>Brain Communications</i> , 2022 , 4, fcac056	4.5	1
786	Mediterranean-Type Diet and Brain Structural Change from 73 to 79 Years in the Lothian Birth Cohort 1936.. <i>Journal of Nutrition, Health and Aging</i> , 2022 , 26, 368-372	5.2	0
785	Genetic variants associated with longitudinal changes in brain structure across the lifespan.. <i>Nature Neuroscience</i> , 2022 , 25, 421-432	25.5	1
784	Not Just Blood: Brain Fluid Systems and Their Relevance to Cerebrovascular Diseases.. <i>Stroke</i> , 2022 , STROKEAHA122037448	6.7	
783	Accuracy of Automated Computer-Aided Diagnosis for Stroke Imaging: A Critical Evaluation of Current Evidence.. <i>Stroke</i> , 2022 , 101161STROKEAHA121036204	6.7	2
782	Network impact score is an independent predictor of post-stroke cognitive impairment: A multicenter cohort study in 2341 patients with acute ischemic stroke.. <i>NeuroImage: Clinical</i> , 2022 , 34, 103018	5.3	1
781	Contribution of white matter hyperintensities to ventricular enlargement in older adults.. <i>NeuroImage: Clinical</i> , 2022 , 34, 103019	5.3	1
780	Tracer kinetic assessment of blood-brain barrier leakage and blood volume in cerebral small vessel disease: Associations with disease burden and vascular risk factors.. <i>NeuroImage: Clinical</i> , 2021 , 32, 102883	5.3	5
779	Epigenome-wide association study of global cortical volumes in generation Scotland: Scottish family health study. <i>Epigenetics</i> , 2021 , 1-17	5.7	0

778	Early lowering of blood pressure after acute intracerebral haemorrhage: a systematic review and meta-analysis of individual patient data. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 ,	5.5	4
777	Prevalence of dementia in ischaemic or mixed stroke populations: systematic review and meta-analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 ,	5.5	3
776	DNA Methylation and Protein Markers of Chronic Inflammation and Their Associations With Brain and Cognitive Aging. <i>Neurology</i> , 2021 , 97, e2340-e2352	6.5	3
775	Effects of Cilostazol and Isosorbide Mononitrate on Cerebral Hemodynamics in the LACI-1 Randomized Controlled Trial. <i>Stroke</i> , 2021 , STROKEAHA121034866	6.7	2
774	Hair glucocorticoids are associated with childhood adversity, depressive symptoms and reduced global and lobar grey matter in Generation Scotland. <i>Translational Psychiatry</i> , 2021 , 11, 523	8.6	0
773	Cerebral Vascular Dysfunctions Detected in Human Small Vessel Disease and Implications for Preclinical Studies. <i>Annual Review of Physiology</i> , 2021 ,	23.1	3
772	Sex Differences in Cerebral Small Vessel Disease: A Systematic Review and Meta-Analysis. <i>Frontiers in Neurology</i> , 2021 , 12, 756887	4.1	3
771	Hyperdense artery sign, symptomatic infarct swelling and effect of alteplase in acute ischaemic stroke. <i>Stroke and Vascular Neurology</i> , 2021 , 6, 238-243	9.1	3
770	Relationship between nitrate headache and outcome in patients with acute stroke: results from the efficacy of nitric oxide in stroke (ENOS) trial. <i>Stroke and Vascular Neurology</i> , 2021 , 6, 180-186	9.1	0
769	Lacunar Stroke Lesion Extent and Location and White Matter Hyperintensities Evolution 1 Year Post-lacunar Stroke. <i>Frontiers in Neurology</i> , 2021 , 12, 640498	4.1	1
768	Post-stroke Cognition at 1 and 3 Years Is Influenced by the Location of White Matter Hyperintensities in Patients With Lacunar Stroke. <i>Frontiers in Neurology</i> , 2021 , 12, 634460	4.1	1
767	30 Informant-Reported Decline Associates with Silent Acute Stroke Lesions and Worse Small Vessel Disease in Mild Stroke Patients. <i>Age and Ageing</i> , 2021 , 50, i7-i11	3	
766	Application of the ATN classification scheme in a population without dementia: Findings from the EPAD cohort. <i>Alzheimer's and Dementia</i> , 2021 , 17, 1189-1204	1.2	9
765	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. <i>Lancet Neurology</i> , 2021 , 20, 294-303	24.1	12
764	A four-dimensional computational model of dynamic contrast-enhanced magnetic resonance imaging measurement of subtle blood-brain barrier leakage. <i>NeuroImage</i> , 2021 , 230, 117786	7.9	4
763	Imaging Advances: Acute-on-Chronic Stroke. <i>Stroke</i> , 2021 , 52, 1486-1489	6.7	
762	Genetic basis of lacunar stroke: a pooled analysis of individual patient data and genome-wide association studies. <i>Lancet Neurology</i> , 2021 , 20, 351-361	24.1	21
761	Comparison of structural MRI brain measures between 1.5 and 3T: Data from the Lothian Birth Cohort 1936. <i>Human Brain Mapping</i> , 2021 , 42, 3905-3921	5.9	2

760	Sources of systematic error in DCE-MRI estimation of low-level blood-brain barrier leakage. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1888-1903	4.4	6
759	Associations Between White Matter Hyperintensity Burden, Cerebral Blood Flow and Transit Time in Small Vessel Disease: An Updated Meta-Analysis. <i>Frontiers in Neurology</i> , 2021 , 12, 647848	4.1	10
758	Potential recruitment into a clinical trial of vascular secondary prevention medications in cerebral small vessel disease, based on concomitant medication use. <i>Cerebral Circulation - Cognition and Behavior</i> , 2021 , 2, 100015	0	
757	ESO Guideline on covert cerebral small vessel disease. <i>European Stroke Journal</i> , 2021 , 6, CXI-CLXII	5.6	15
756	Strategic infarct locations for post-stroke cognitive impairment: a pooled analysis of individual patient data from 12 acute ischaemic stroke cohorts. <i>Lancet Neurology</i> , 2021 , 20, 448-459	24.1	32
755	Thrombolysis outcomes according to arterial characteristics of acute ischemic stroke by alteplase dose and blood pressure target. <i>International Journal of Stroke</i> , 2021 , 17474930211025436	6.3	
754	Cerebral small vessel disease burden and longitudinal cognitive decline from age 73 to 82: the Lothian Birth Cohort 1936. <i>Translational Psychiatry</i> , 2021 , 11, 376	8.6	2
753	A Comparison of CVR Magnitude and Delay Assessed at 1.5 and 3T in Patients With Cerebral Small Vessel Disease. <i>Frontiers in Physiology</i> , 2021 , 12, 644837	4.6	3
752	Response to Schroeter ML, Letter, Small vessel disease and social cognition. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	
751	Meta-analysis of epigenome-wide association studies of carotid intima-media thickness. <i>European Journal of Epidemiology</i> , 2021 , 36, 1143-1155	12.1	4
750	Correlations in post-mortem imaging-histopathology studies of sporadic human cerebral small vessel disease: A systematic review. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 910-930	5.2	2
749	Diffusion-weighted imaging lesions and risk of recurrent stroke after intracerebral haemorrhage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 950-955	5.5	2
748	ESO Guideline on covert cerebral small vessel disease. <i>European Stroke Journal</i> , 2021 , 6, IV	5.6	3
747	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1566-1575	4.4	6
746	An epigenetic predictor of death captures multi-modal measures of brain health. <i>Molecular Psychiatry</i> , 2021 , 26, 3806-3816	15.1	31
745	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021 , 26, 3884-3895	15.1	22
744	Aging-Sensitive Networks Within the Human Structural Connectome Are Implicated in Late-Life Cognitive Declines. <i>Biological Psychiatry</i> , 2021 , 89, 795-806	7.9	6
743	Association between Computed Tomographic Biomarkers of Cerebral Small Vessel Diseases and Long-Term Outcome after Spontaneous Intracerebral Hemorrhage. <i>Annals of Neurology</i> , 2021 , 89, 266-274	7.9	4

742	Diffuse white matter loss in a transgenic rat model of cerebral amyloid angiopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1103-1118	7.3	5
741	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. <i>European Stroke Journal</i> , 2021 , 6, 81-88	5.6	5
740	Intensive versus guideline-recommended blood pressure reduction in acute lacunar stroke with intravenous thrombolysis therapy: The ENCHANTED trial. <i>European Journal of Neurology</i> , 2021 , 28, 783-793	6.6	5
739	Structural brain correlates of serum and epigenetic markers of inflammation in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2021 , 92, 39-48	16.6	14
738	Pharmacokinetic modelling for the simultaneous assessment of perfusion and F-flutemetamol uptake in cerebral amyloid angiopathy using a reduced PET-MR acquisition time: Proof of concept. <i>NeuroImage</i> , 2021 , 225, 117482	7.9	1
737	Cognitive impairment in sporadic cerebral small vessel disease: A systematic review and meta-analysis. <i>Alzheimer's and Dementia</i> , 2021 , 17, 665-685	1.2	23
736	Brain network reorganisation and spatial lesion distribution in systemic lupus erythematosus. <i>Lupus</i> , 2021 , 30, 285-298	2.6	0
735	Neuropsychiatric symptoms associated with cerebral small vessel disease: a systematic review and meta-analysis. <i>Lancet Psychiatry</i> , 2021 , 8, 225-236	23.3	19
734	Rates, risks and routes to reduce vascular dementia (R4vad), a UK-wide multicentre prospective observational cohort study of cognition after stroke: Protocol. <i>European Stroke Journal</i> , 2021 , 6, 89-101	5.6	5
733	Feasibility and diagnostic accuracy of using brain attenuation changes on CT to estimate time of ischemic stroke onset. <i>Neuroradiology</i> , 2021 , 63, 869-878	3.2	3
732	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. <i>Translational Stroke Research</i> , 2021 , 12, 15-30	7.8	11
731	4D flow MRI for non-invasive measurement of blood flow in the brain: A systematic review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 206-218	7.3	5
730	Selective Motion Artefact Reduction via Radiomics and k-space Reconstruction for Improving Perivascular Space Quantification in Brain Magnetic Resonance Imaging. <i>Lecture Notes in Computer Science</i> , 2021 , 151-164	0.9	
729	Probabilistic Deep Learning with Adversarial Training and Volume Interval Estimation - Better Ways to Perform and Evaluate Predictive Models for White Matter Hyperintensities Evolution. <i>Lecture Notes in Computer Science</i> , 2021 , 168-180	0.9	0
728	Multinational Survey of Current Practice from Imaging to Treatment of Atherosclerotic Carotid Stenosis. <i>Cerebrovascular Diseases</i> , 2021 , 50, 108-120	3.2	2
727	Zooming in on cerebral small vessel function in small vessel diseases with 7T MRI: Rationale and design of the ZOOM@SVDs study. <i>Cerebral Circulation - Cognition and Behavior</i> , 2021 , 2, 100013	0	4
726	Three major dimensions of human brain cortical ageing in relation to cognitive decline across the eighth decade of life. <i>Molecular Psychiatry</i> , 2021 , 26, 2651-2662	15.1	10
725	Cerebrovascular disease in patients with cognitive impairment: A white paper from the ESO dementia committee - A practical point of view with suggestions for the management of cerebrovascular diseases in memory clinics. <i>European Stroke Journal</i> , 2021 , 6, 111-119	5.6	1

724	Cognitive impairment in patients with cerebrovascular disease: A white paper from the links between stroke ESO Dementia Committee. <i>European Stroke Journal</i> , 2021 , 6, 5-17	5.6	17
723	Cerebrovascular Reactivity Measurement Using Magnetic Resonance Imaging: A Systematic Review. <i>Frontiers in Physiology</i> , 2021 , 12, 643468	4.6	13
722	Low-Dose vs Standard-Dose Alteplase in Acute Lacunar Ischemic Stroke: The ENCHANTED Trial. <i>Neurology</i> , 2021 , 96, e1512-e1526	6.5	5
721	Reply to: Rethink the classical view of cerebrospinal fluid production. <i>Nature Reviews Neurology</i> , 2021 , 17, 590-591	15	0
720	Early decompressive hemicraniectomy in thrombolized acute ischemic stroke patients from the international ENCHANTED trial. <i>Scientific Reports</i> , 2021 , 11, 16495	4.9	
719	Associations between total MRI-visible small vessel disease burden and domain-specific cognitive abilities in a community-dwelling older-age cohort. <i>Neurobiology of Aging</i> , 2021 , 105, 25-34	5.6	3
718	Phenotypes of Chronic Covert Brain Infarction in Patients With First-Ever Ischemic Stroke: A Cohort Study. <i>Stroke</i> , 2021 , STROKEAHA121034347	6.7	2
717	Early life predictors of late life cerebral small vessel disease in four prospective cohort studies. <i>Brain</i> , 2021 ,	11.2	5
716	Effects of Antiplatelet Therapy After Stroke Caused by Intracerebral Hemorrhage: Extended Follow-up of the RESTART Randomized Clinical Trial. <i>JAMA Neurology</i> , 2021 , 78, 1179-1186	17.2	6
715	Predicting post-stroke cognitive impairment using acute CT neuroimaging: A systematic review and meta-analysis. <i>International Journal of Stroke</i> , 2021 , 17474930211045836	6.3	2
714	Relationship between inferior frontal sulcal hyperintensities on brain MRI, ageing and cerebral small vessel disease. <i>Neurobiology of Aging</i> , 2021 , 106, 130-138	5.6	3
713	Cilostazol for Secondary Stroke Prevention: History, Evidence, Limitations, and Possibilities. <i>Stroke</i> , 2021 , 52, e635-e645	6.7	2
712	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. <i>Lancet Neurology</i> , 2021 , 20, 842-853	24.1	9
711	Imaging neurovascular, endothelial and structural integrity in preparation to treat small vessel diseases. The INVESTIGATE-SVDs study protocol. Part of the SVDs@Target project. <i>Cerebral Circulation - Cognition and Behavior</i> , 2021 , 2, 100020	0	3
710	Birth weight is associated with brain tissue volumes seven decades later but not with MRI markers of brain ageing. <i>NeuroImage: Clinical</i> , 2021 , 31, 102776	5.3	1
709	Identification of plasma proteins relating to brain neurodegeneration and vascular pathology in cognitively normal individuals. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12240	5.2	0
708	Response by Doubal et al to Letter Regarding Article, "Cilostazol for Secondary Prevention of Stroke and Cognitive Decline: Systematic Review and Meta-Analysis". <i>Stroke</i> , 2020 , 51, e377	6.7	
707	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020 , 11, 6285	17.4	22

706	Quantitative measurements of enlarged perivascular spaces in the brain are associated with retinal microvascular parameters in older community-dwelling subjects. <i>Cerebral Circulation - Cognition and Behavior</i> , 2020 , 1, 100002	0	0
705	Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. <i>Frontiers in Psychiatry</i> , 2020 , 11, 342	5	11
704	Intracranial hemodynamic relationships in patients with cerebral small vessel disease. <i>Neurology</i> , 2020 , 94, e2258-e2269	6.5	29
703	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020 , 51, 2111-2121	6.7	23
702	Thrombolysis Outcomes in Acute Ischemic Stroke by Fluid-Attenuated Inversion Recovery Hyperintense Arteries. <i>Stroke</i> , 2020 , 51, 2240-2243	6.7	5
701	DNA methylation and brain structure and function across the life course: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 113, 133-156	9	21
700	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020 , 367,	33.3	156
699	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020 , 30, 4121-4139	5.1	5
698	Cilostazol for Secondary Prevention of Stroke and Cognitive Decline: Systematic Review and Meta-Analysis. <i>Stroke</i> , 2020 , 51, 2374-2385	6.7	29
697	Imaging markers of small vessel disease and brain frailty, and outcomes in acute stroke. <i>Neurology</i> , 2020 , 94, e439-e452	6.5	35
696	Perivascular spaces in the brain: anatomy, physiology and pathology. <i>Nature Reviews Neurology</i> , 2020 , 16, 137-153	15	161
695	Polygenic Architecture of Human Neuroanatomical Diversity. <i>Cerebral Cortex</i> , 2020 , 30, 2307-2320	5.1	7
694	Optimal Mass Transport with Lagrangian Workflow Reveals Advective and Diffusion Driven Solute Transport in the Glymphatic System. <i>Scientific Reports</i> , 2020 , 10, 1990	4.9	37
693	Automatic spatial estimation of white matter hyperintensities evolution in brain MRI using disease evolution predictor deep neural networks. <i>Medical Image Analysis</i> , 2020 , 63, 101712	15.4	4
692	Clinical prognosis of FLAIR hyperintense arteries in ischaemic stroke patients: a systematic review and meta-analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 475-482	5.5	4
691	Retinal Biomarkers Discovery for Cerebral Small Vessel Disease in an Older Population. <i>Communications in Computer and Information Science</i> , 2020 , 400-409	0.3	
690	Analysis of Spatial Spectral Features of Dynamic Contrast-Enhanced Brain Magnetic Resonance Images for Studying Small Vessel Disease. <i>Communications in Computer and Information Science</i> , 2020 , 282-293	0.3	0
689	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. <i>Communications in Computer and Information Science</i> , 2020 , 171-183	0.3	1

688	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. <i>Nature Communications</i> , 2020 , 11, 800	17.4	8
687	Clinical management of cerebral small vessel disease: a call for a holistic approach. <i>Chinese Medical Journal</i> , 2020 , 134, 127-142	2.9	5
686	Analysis of dynamic texture and spatial spectral descriptors of dynamic contrast-enhanced brain magnetic resonance images for studying small vessel disease. <i>Magnetic Resonance Imaging</i> , 2020 , 66, 240-247	3.3	2
685	Sleep and brain morphological changes in the eighth decade of life. <i>Sleep Medicine</i> , 2020 , 65, 152-158	4.6	10
684	Predictors of Lesion Cavitation After Recent Small Subcortical Stroke. <i>Translational Stroke Research</i> , 2020 , 11, 402-411	7.8	8
683	Neuromyelitis optica in patients with increased interferon alpha concentrations. <i>Lancet Neurology</i> , 2020 , 19, 31-33	24.1	8
682	Fluctuating asymmetry in brain structure and general intelligence in 73-year-olds. <i>Intelligence</i> , 2020 , 78, 101407	3	4
681	Computational quantification of brain perivascular space morphologies: Associations with vascular risk factors and white matter hyperintensities. A study in the Lothian Birth Cohort 1936. <i>NeuroImage: Clinical</i> , 2020 , 25, 102120	5.3	18
680	Brain atrophy in cerebral small vessel diseases: Extent, consequences, technical limitations and perspectives: The HARNESS initiative. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 231-245	7.3	15
679	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. <i>Computerized Medical Imaging and Graphics</i> , 2020 , 79, 101685	7.6	5
678	The glymphatic system and its role in cerebral homeostasis. <i>Journal of Applied Physiology</i> , 2020 , 129, 1330-1340	3.7	11
677	The Application of Optical Coherence Tomography Angiography in Cerebral Small Vessel Disease, Ischemic Stroke, and Dementia: A Systematic Review. <i>Frontiers in Neurology</i> , 2020 , 11, 1009	4.1	10
676	Dietary patterns, cognitive function, and structural neuroimaging measures of brain aging. <i>Experimental Gerontology</i> , 2020 , 142, 111117	4.5	12
675	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020 , 11, 4796	17.4	16
674	A new dawn of preventing dementia by preventing cerebrovascular diseases. <i>BMJ, The</i> , 2020 , 371, m3693	3.9	7
673	Brain imaging abnormalities and outcome after acute ischaemic stroke: the ENCHANTED trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 1290-1296	5.5	5
672	Intracranial Bleeding After Reperfusion Therapy in Acute Ischaemic Stroke Patients Randomized to Glyceryl Trinitrate vs. Control: An Individual Patient Data Meta-Analysis. <i>Frontiers in Neurology</i> , 2020 , 11, 584038	4.1	1
671	Protocol: The Lacunar Intervention Trial 2 (LACI-2). A trial of two repurposed licenced drugs to prevent progression of cerebral small vessel disease. <i>European Stroke Journal</i> , 2020 , 5, 297-308	5.6	12

670	Tackling challenges in care of Alzheimer's disease and other dementias amid the COVID-19 pandemic, now and in the future. <i>Alzheimer's and Dementia</i> , 2020 , 16, 1571-1581	1.2	61
669	Association of common genetic variants with brain microbleeds: A genome-wide association study. <i>Neurology</i> , 2020 , 95, e3331-e3343	6.5	10
668	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. <i>International Journal of Stroke</i> , 2020 , 1747493020974282	6.3	1
667	Reperfusion of Ischaemic Brain by Intravenous Thrombolysis 2020 , 98-126		
666	Small vessel disease is associated with altered cerebrovascular pulsatility but not resting cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 85-99	7.3	45
665	Cortical thickness, white matter hyperintensities, and cognition after stroke. <i>International Journal of Stroke</i> , 2020 , 15, 46-54	6.3	7
664	White matter hyperintensities mediate the association between blood-brain barrier leakage and information processing speed. <i>Neurobiology of Aging</i> , 2020 , 85, 113-122	5.6	21
663	Mechanical thrombectomy in patients with acute ischemic stroke: A cost-effectiveness and value of implementation analysis. <i>International Journal of Stroke</i> , 2020 , 15, 881-898	6.3	7
662	Perivascular spaces in the centrum semiovale at the beginning of the 8th decade of life: effect on cognition and associations with mineral deposition. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1865-1875	4.1	7
661	Improving Clinical Detection of Acute Lacunar Stroke: Analysis From the IST-3. <i>Stroke</i> , 2020 , 51, 1411-1418	6.7	3
660	Relationship Between Venules and Perivascular Spaces in Sporadic Small Vessel Diseases. <i>Stroke</i> , 2020 , 51, 1503-1506	6.7	9
659	Effect of Glyceryl Trinitrate on Hemodynamics in Acute Stroke. <i>Stroke</i> , 2019 , 50, 405-412	6.7	5
658	Spatial Gradient of Microstructural Changes in Normal-Appearing White Matter in Tracts Affected by White Matter Hyperintensities in Older Age. <i>Frontiers in Neurology</i> , 2019 , 10, 784	4.1	17
657	Observer Agreement on Computed Tomography Perfusion Imaging in Acute Ischemic Stroke. <i>Stroke</i> , 2019 , 50, 3108-3114	6.7	2
656	Prehospital Transdermal Glyceryl Trinitrate for Ultra-Acute Intracerebral Hemorrhage: Data From the RIGHT-2 Trial. <i>Stroke</i> , 2019 , 50, 3064-3071	6.7	21
655	Special topic section: linkages among cerebrovascular, cardiovascular, and cognitive disorders: Preventing dementia by preventing stroke: The Berlin Manifesto. <i>International Journal of Stroke</i> , 2019 , 1747493019871915	6.3	8
654	Brain Morphometry and Longitudinal Relaxation Time of Spontaneously Hypertensive Rats (SHRs) in Early and Intermediate Stages of Hypertension Investigated by 3D VFA-SPGR MRI. <i>Neuroscience</i> , 2019 , 404, 14-26	3.9	15
653	It is safe to use transdermal glyceryl trinitrate to lower blood pressure in patients with acute ischaemic stroke with carotid stenosis. <i>Stroke and Vascular Neurology</i> , 2019 , 4, 28-35	9.1	3

652	Factors associated with potentially serious incidental findings and with serious final diagnoses on multi-modal imaging in the UK Biobank Imaging Study: A prospective cohort study. <i>PLoS ONE</i> , 2019 , 14, e0218267	3.7	11
651	Stability of Estimated Premorbid Cognitive Ability over Time after Minor Stroke and Its Relationship with Post-Stroke Cognitive Ability. <i>Brain Sciences</i> , 2019 , 9,	3.4	3
650	Extending thrombolysis to 4.5-9 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data. <i>Lancet, The</i> , 2019 , 394, 139-147	4.0	194
649	Effects of antiplatelet therapy on stroke risk by brain imaging features of intracerebral haemorrhage and cerebral small vessel diseases: subgroup analyses of the RESTART randomised, open-label trial. <i>Lancet Neurology, The</i> , 2019 , 18, 643-652	24.1	43
648	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, The</i> , 2019 , 18, 653-665	24.1	78
647	Are morphologic features of recent small subcortical infarcts related to specific etiologic aspects?. <i>Therapeutic Advances in Neurological Disorders</i> , 2019 , 12, 1756286419835716	6.6	4
646	Small vessel disease: mechanisms and clinical implications. <i>Lancet Neurology, The</i> , 2019 , 18, 684-696	24.1	372
645	The Meta VCI Map consortium for meta-analyses on strategic lesion locations for vascular cognitive impairment using lesion-symptom mapping: Design and multicenter pilot study. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019 , 11, 310-326	5.2	12
644	Tolerability, safety and intermediary pharmacological effects of cilostazol and isosorbide mononitrate, alone and combined, in patients with lacunar ischaemic stroke: The LACunar Intervention-1 (LACI-1) trial, a randomised clinical trial. <i>EClinicalMedicine</i> , 2019 , 11, 34-43	11.3	24
643	Retinal microvasculature and cerebral small vessel disease in the Lothian Birth Cohort 1936 and Mild Stroke Study. <i>Scientific Reports</i> , 2019 , 9, 6320	4.9	32
642	Quantifying blood-brain barrier leakage in small vessel disease: Review and consensus recommendations. <i>Alzheimer's and Dementia</i> , 2019 , 15, 840-858	1.2	72
641	Therapeutic hypothermia for acute ischaemic stroke. Results of a European multicentre, randomised, phase III clinical trial. <i>European Stroke Journal</i> , 2019 , 4, 254-262	5.6	24
640	Clinical diagnosis of TIA or minor stroke and prognosis in patients with neurological symptoms: A rapid access clinic cohort. <i>PLoS ONE</i> , 2019 , 14, e0210452	3.7	4
639	Association between Striatal Brain Iron Deposition, Microbleeds and Cognition 1 Year After a Minor Ischaemic Stroke. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
638	Identification of the presence of ischaemic stroke lesions by means of texture analysis on brain magnetic resonance images. <i>Computerized Medical Imaging and Graphics</i> , 2019 , 74, 12-24	7.6	20
637	A multimodal approach to cardiovascular risk stratification in patients with type 2 diabetes incorporating retinal, genomic and clinical features. <i>Scientific Reports</i> , 2019 , 9, 3591	4.9	14
636	Associations between vascular risk factors and brain MRI indices in UK Biobank. <i>European Heart Journal</i> , 2019 , 40, 2290-2300	9.5	97
635	Longitudinal multi-centre brain imaging studies: guidelines and practical tips for accurate and reproducible imaging endpoints and data sharing. <i>Trials</i> , 2019 , 20, 21	2.8	7

634	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019 , 11, 191-204	5.2	33
633	Combining Neurovascular and Neurodegenerative Magnetic Resonance Imaging Measures in Stroke. <i>Stroke</i> , 2019 , 50, 1136-1139	6.7	3
632	Intensive blood pressure reduction with intravenous thrombolysis therapy for acute ischaemic stroke (ENCHANTED): an international, randomised, open-label, blinded-endpoint, phase 3 trial. <i>Lancet, The</i> , 2019 , 393, 877-888	4.0	117
631	Prehospital transdermal glyceryl trinitrate in patients with ultra-acute presumed stroke (RIGHT-2): an ambulance-based, randomised, sham-controlled, blinded, phase 3 trial. <i>Lancet, The</i> , 2019 , 393, 1009-1020	4.0	66
630	WMH and long-term outcomes in ischemic stroke: A systematic review and meta-analysis. <i>Neurology</i> , 2019 , 92, e1298-e1308	6.5	73
629	Perivascular spaces and their associations with risk factors, clinical disorders and neuroimaging features: A systematic review and meta-analysis. <i>International Journal of Stroke</i> , 2019 , 14, 359-371	6.3	51
628	MRI Relaxometry for Quantitative Analysis of USPIO Uptake in Cerebral Small Vessel Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
627	106EARLY LIFE RISK FACTORS FOR SYMPTOMS OF DEPRESSION AND ANXIETY IN LATER LIFE: ANALYSIS OF 4 COHORT STUDIES. <i>Age and Ageing</i> , 2019 , 48, i31-i31	3	
626	The Glymphatic System and Waste Clearance with Brain Aging: A Review. <i>Gerontology</i> , 2019 , 65, 106-119	5.5	137
625	Longitudinal MRI dynamics of recent small subcortical infarcts and possible predictors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1669-1677	7.3	19
624	Preventing dementia by preventing stroke: The Berlin Manifesto. <i>Alzheimer's and Dementia</i> , 2019 , 15, 961-984	1.2	113
623	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. <i>Frontiers in Psychiatry</i> , 2019 , 10, 524	5	21
622	Retinal microvascular features and cognitive change in the Lothian-Birth Cohort 1936. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019 , 11, 500-509	5.2	4
621	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. <i>Frontiers in Neurology</i> , 2019 , 10, 723	4.1	6
620	Epigenetic signatures of smoking associate with cognitive function, brain structure, and mental and physical health outcomes in the Lothian Birth Cohort 1936. <i>Translational Psychiatry</i> , 2019 , 9, 248	8.6	17
619	Manually-parcellated gyral data accounting for all known anatomical variability. <i>Scientific Data</i> , 2019 , 6, 190001	8.2	2
618	Cohort profile for the STRatifying Resilience and Depression Longitudinally (STRADL) study: A depression-focused investigation of Generation Scotland, using detailed clinical, cognitive, and neuroimaging assessments.. <i>Wellcome Open Research</i> , 2019 , 4, 185	4.8	10
617	Predicting the Evolution of White Matter Hyperintensities in Brain MRI Using Generative Adversarial Networks and Irregularity Map. <i>Lecture Notes in Computer Science</i> , 2019 , 146-154	0.9	3

616	Reaction time variability and brain white matter integrity. <i>Neuropsychology</i> , 2019 , 33, 642-657	3.8	2
615	136 Rates, risks and routes to reduce vascular dementia (R4VAD). <i>Age and Ageing</i> , 2019 , 48, i40-i40	3	
614	Vascular contributions to cognitive impairment and dementia: Research consortia that focus on etiology and treatable targets to lessen the burden of dementia worldwide. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019 , 5, 789-796	6	15
613	Lowering blood pressure after acute intracerebral haemorrhage: protocol for a systematic review and meta-analysis using individual patient data from randomised controlled trials participating in the Blood Pressure in Acute Stroke Collaboration (BASC). <i>BMJ Open</i> , 2019 , 9, e030121	3	7
612	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019 , 51, 1624-1636	3.6	81
611	A protocol for precise comparisons of small vessel disease lesions between ex vivo magnetic resonance imaging and histopathology. <i>International Journal of Stroke</i> , 2019 , 14, 310-320	6.3	10
610	Functional, cognitive and physical outcomes 3 years after minor lacunar or cortical ischaemic stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 436-443	5.5	21
609	Baseline characteristics of the 1149 patients recruited into the Rapid Intervention with Glyceryl trinitrate in Hypertensive stroke Trial-2 (RIGHT-2) randomized controlled trial. <i>International Journal of Stroke</i> , 2019 , 14, 298-305	6.3	3
608	Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. <i>Neurology</i> , 2019 ,	6.5	17
607	Vascular dysfunction-The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019 , 15, 158-167	1.2	265
606	Stroke research in 2018: extended time windows, refined benefit, and lifestyle prevention targets. <i>Lancet Neurology</i> , 2019 , 18, 2-3	24.1	5
605	Ambulance-delivered transdermal glyceryl trinitrate versus sham for ultra-acute stroke: Rationale, design and protocol for the Rapid Intervention with Glyceryl trinitrate in Hypertensive stroke Trial-2 (RIGHT-2) trial (ISRCTN26986053). <i>International Journal of Stroke</i> , 2019 , 14, 191-206	6.3	13
604	Convolutional Neural Networks for Direct Inference of Pharmacokinetic Parameters: Application to Stroke Dynamic Contrast-Enhanced MRI. <i>Frontiers in Neurology</i> , 2018 , 9, 1147	4.1	12
603	Coupled changes in hippocampal structure and cognitive ability in later life. <i>Brain and Behavior</i> , 2018 , 8, e00838	3.4	15
602	The brain health index: Towards a combined measure of neurovascular and neurodegenerative structural brain injury. <i>International Journal of Stroke</i> , 2018 , 13, 849-856	6.3	8
601	Cohort Profile: Stratifying Resilience and Depression Longitudinally (STRADL): a questionnaire follow-up of Generation Scotland: Scottish Family Health Study (GS:SFHS). <i>International Journal of Epidemiology</i> , 2018 , 47, 13-14g	7.8	44
600	Effects of dietary salt on gene and protein expression in brain tissue of a model of sporadic small vessel disease. <i>Clinical Science</i> , 2018 , 132, 1315-1328	6.5	4
599	The impact of early-life intelligence quotient on post stroke cognitive impairment. <i>European Stroke Journal</i> , 2018 , 3, 145-156	5.6	20

598	Widespread associations between trait conscientiousness and thickness of brain cortical regions. <i>NeuroImage</i> , 2018 , 176, 22-28	7.9	18
597	Perivascular Spaces Segmentation in Brain MRI Using Optimal 3D Filtering. <i>Scientific Reports</i> , 2018 , 8, 2132	4.9	51
596	A large margin algorithm for automated segmentation of white matter hyperintensity. <i>Pattern Recognition</i> , 2018 , 77, 150-159	7.7	9
595	The Edinburgh CT and genetic diagnostic criteria for lobar intracerebral haemorrhage associated with cerebral amyloid angiopathy: model development and diagnostic test accuracy study. <i>Lancet Neurology</i> , 2018 , 17, 232-240	24.1	105
594	Cognitive function, disease burden and the structural connectome in systemic lupus erythematosus. <i>Lupus</i> , 2018 , 27, 1329-1337	2.6	9
593	Protocol for a prospective collaborative systematic review and meta-analysis of individual patient data from randomized controlled trials of vasoactive drugs in acute stroke: The Blood pressure in Acute Stroke Collaboration, stage-3. <i>International Journal of Stroke</i> , 2018 , 13, 759-765	6.3	7
592	Understanding the role of the perivascular space in cerebral small vessel disease. <i>Cardiovascular Research</i> , 2018 , 114, 1462-1473	9.9	108
591	Visual Rating Scales of White Matter Hyperintensities and Atrophy: Comparison of Computed Tomography and Magnetic Resonance Imaging. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018 , 27, 1815-1821	2.8	33
590	Considerations on accuracy, pattern and possible underlying factors of brain microbleed progression in older adults with absence or mild presence of vascular pathology. <i>Journal of International Medical Research</i> , 2018 , 46, 3518-3538	1.4	3
589	Long-Term Morphological Changes of Symptomatic Lacunar Infarcts and Surrounding White Matter on Structural Magnetic Resonance Imaging. <i>Stroke</i> , 2018 , 49, 1183-1188	6.7	15
588	Enlarged perivascular spaces and cognitive impairment after stroke and transient ischemic attack. <i>International Journal of Stroke</i> , 2018 , 13, 47-56	6.3	53
587	Brain age predicts mortality. <i>Molecular Psychiatry</i> , 2018 , 23, 1385-1392	15.1	260
586	The effect of different combinations of vascular, dependency and cognitive endpoints on the sample size required to detect a treatment effect in trials of treatments to improve outcome after lacunar and non-lacunar ischaemic stroke. <i>European Stroke Journal</i> , 2018 , 3, 66-73	5.6	6
585	Brain cortical characteristics of lifetime cognitive ageing. <i>Brain Structure and Function</i> , 2018 , 223, 509-518	14	28
584	Blood pressure variability and leukoaraiosis in acute ischemic stroke. <i>International Journal of Stroke</i> , 2018 , 13, 473-480	6.3	2
583	Cerebrovascular reactivity measurement in cerebral small vessel disease: Rationale and reproducibility of a protocol for MRI acquisition and image processing. <i>International Journal of Stroke</i> , 2018 , 13, 195-206	6.3	31
582	The relation between total cerebral small vessel disease burden and gait impairment in patients with minor stroke. <i>International Journal of Stroke</i> , 2018 , 13, 518-524	6.3	15
581	Preventing cognitive decline and dementia from cerebral small vessel disease: The LACI-1 Trial. Protocol and statistical analysis plan of a phase IIa dose escalation trial testing tolerability, safety and effect on intermediary endpoints of isosorbide mononitrate and cilostazol, separately and in combination. <i>International Journal of Stroke</i> , 2018 , 13, 530-538	6.3	17

580	Reversal of endothelial dysfunction reduces white matter vulnerability in cerebral small vessel disease in rats. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	66
579	Neurological Disease in Lupus: Toward a Personalized Medicine Approach. <i>Frontiers in Immunology</i> , 2018 , 9, 1146	8.4	19
578	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018 , 49, 1812-1819	6.7	10
577	Reference Tracts and Generative Models for Brain White Matter Tractography. <i>Journal of Imaging</i> , 2018 , 4, 8	3.1	1
576	Cognitive ability, education and socioeconomic status in childhood and risk of post-stroke depression in later life: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2018 , 13, e0200525	3.7	27
575	Machine learning of neuroimaging for assisted diagnosis of cognitive impairment and dementia: A systematic review. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018 , 10, 519-535	5.2	90
574	Post-mortem magnetic resonance imaging in patients with suspected prion disease: Pathological confirmation, sensitivity, specificity and observer reliability. A national registry. <i>PLoS ONE</i> , 2018 , 13, e0201434	3.7	5
573	Longitudinal serum S100 β and brain aging in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2018 , 69, 274-282	5.6	7
572	William M. Feinberg Award for Excellence in Clinical Stroke: Small Vessel Disease; a Big Problem, But Fixable. <i>Stroke</i> , 2018 , 49, 1770-1775	6.7	14
571	Response by Loos et al to Letter Regarding Article, "Long-Term Morphological Changes of Symptomatic Lacunar Infarcts and Surrounding White Matter on Structural Magnetic Resonance Imaging". <i>Stroke</i> , 2018 , 49, e269	6.7	
570	Effects of alteplase for acute stroke according to criteria defining the European Union and United States marketing authorizations: Individual-patient-data meta-analysis of randomized trials. <i>International Journal of Stroke</i> , 2018 , 13, 175-189	6.3	26
569	Predictors of gait speed and its change over three years in community-dwelling older people. <i>Aging</i> , 2018 , 10, 144-153	5.6	13
568	Relationship between race and outcome in Asian, Black, and Caucasian patients with spontaneous intracerebral hemorrhage: Data from the Virtual International Stroke Trials Archive and Efficacy of Nitric Oxide in Stroke trial. <i>International Journal of Stroke</i> , 2018 , 13, 362-373	6.3	13
567	Intracranial pulsatility in patients with cerebral small vessel disease: a systematic review. <i>Clinical Science</i> , 2018 , 132, 157-171	6.5	25
566	Cognitive abilities, brain white matter hyperintensity volume, and structural network connectivity in older age. <i>Human Brain Mapping</i> , 2018 , 39, 622-632	5.9	28
565	Brain structural differences between 73- and 92-year olds matched for childhood intelligence, social background, and intracranial volume. <i>Neurobiology of Aging</i> , 2018 , 62, 146-158	5.6	9
564	Statistical analysis plan for the 'Rapid Intervention with Glyceryl trinitrate in Hypertensive stroke Trial-2 (RIGHT-2)'. <i>European Stroke Journal</i> , 2018 , 3, 193-196	5.6	4
563	Percutaneous vascular interventions versus intravenous thrombolytic treatment for acute ischaemic stroke. <i>The Cochrane Library</i> , 2018 , 10, CD009292	5.2	6

562	Potentially serious incidental findings on brain and body magnetic resonance imaging of apparently asymptomatic adults: systematic review and meta-analysis. <i>BMJ, The</i> , 2018 , 363, k4577	5.9	40
561	Central masked adjudication of stroke diagnosis at trial entry offered no advantage over diagnosis by local clinicians: Secondary analysis and simulation. <i>Contemporary Clinical Trials Communications</i> , 2018 , 12, 176-181	1.8	5
560	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. <i>Nature Communications</i> , 2018 , 9, 5141	17.4	64
559	Towards Standardization of Quantitative Retinal Vascular Parameters: Comparison of SIVA and VAMPIRE Measurements in the Lothian Birth Cohort 1936. <i>Translational Vision Science and Technology</i> , 2018 , 7, 12	3.3	32
558	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018 , 9, 3945	17.4	16
557	Direct Estimation of Pharmacokinetic Parameters from DCE-MRI Using Deep CNN with Forward Physical Model Loss. <i>Lecture Notes in Computer Science</i> , 2018 , 39-47	0.9	6
556	Effect of IV alteplase on the ischemic brain lesion at 24-48 hours after ischemic stroke. <i>Neurology</i> , 2018 , 91, e2067-e2077	6.5	7
555	Secondary prevention of Alzheimer's dementia: neuroimaging contributions. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 112	9	27
554	Reproducibility of Transcranial Doppler ultrasound in the middle cerebral artery. <i>Cardiovascular Ultrasound</i> , 2018 , 16, 15	2.4	9
553	Action Plan for Stroke in Europe 2018-2030. <i>European Stroke Journal</i> , 2018 , 3, 309-336	5.6	144
552	Polygenic risk score for schizophrenia and structural brain connectivity in older age: A longitudinal connectome and tractography study. <i>NeuroImage</i> , 2018 , 183, 884-896	7.9	22
551	Association between carotid atheroma and cerebral cortex structure at age 73 years. <i>Annals of Neurology</i> , 2018 , 84, 576-587	9.4	14
550	Rapid Automated Quantification of Cerebral Leukoaraiosis on CT Images: A Multicenter Validation Study. <i>Radiology</i> , 2018 , 288, 573-581	20.5	20
549	Fourth European stroke science workshop. <i>European Stroke Journal</i> , 2018 , 3, 206-219	5.6	1
548	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017 , 145, 389-408	7.9	142
547	Integrity of normal-appearing white matter: Influence of age, visible lesion burden and hypertension in patients with small-vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 644-656	7.3	90
546	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). <i>NeuroImage</i> , 2017 , 144, 299-304	7.9	38
545	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173

544	STROKOG (stroke and cognition consortium): An international consortium to examine the epidemiology, diagnosis, and treatment of neurocognitive disorders in relation to cerebrovascular disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 7, 11-23	5.2	27
543	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	7.9	12
542	Continuing or Temporarily Stopping Prestroke Antihypertensive Medication in Acute Stroke: An Individual Patient Data Meta-Analysis. <i>Hypertension</i> , 2017 , 69, 933-941	8.5	13
541	Interhemispheric characterization of small vessel disease imaging markers after subcortical infarct. <i>Brain and Behavior</i> , 2017 , 7, e00595	3.4	7
540	Impact of small vessel disease in the brain on gait and balance. <i>Scientific Reports</i> , 2017 , 7, 41637	4.9	59
539	Response by Sposato et al to Letter Regarding Article, "Effect of Right Insular Involvement on Death and Functional Outcome After Acute Ischemic Stroke in the IST-3 Trial (Third International Stroke Trial)". <i>Stroke</i> , 2017 , 48, e92	6.7	1
538	Early life risk factors for cerebrovascular disease: A systematic review and meta-analysis. <i>Neurology</i> , 2017 , 88, 976-984	6.5	40
537	Retinal microvascular network geometry and cognitive abilities in community-dwelling older people: The Lothian Birth Cohort 1936 study. <i>British Journal of Ophthalmology</i> , 2017 , 101, 993-998	5.5	17
536	Penumbra and re-canalization acute computed tomography in ischemic stroke evaluation: PRACTISE study protocol. <i>International Journal of Stroke</i> , 2017 , 12, 671-678	6.3	6
535	Detection of interferon alpha protein reveals differential levels and cellular sources in disease. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1547-1555	16.6	192
534	Reliability of an automatic classifier for brain enlarged perivascular spaces burden and comparison with human performance. <i>Clinical Science</i> , 2017 , 131, 1465-1481	6.5	17
533	Lateral thinking - Interocular symmetry and asymmetry in neurovascular patterning, in health and disease. <i>Progress in Retinal and Eye Research</i> , 2017 , 59, 131-157	20.5	30
532	Risk and protective factors for structural brain ageing in the eighth decade of life. <i>Brain Structure and Function</i> , 2017 , 222, 3477-3490	4	31
531	The application of retinal fundus camera imaging in dementia: A systematic review. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 6, 91-107	5.2	65
530	Advanced Neuroimaging of Cerebral Small Vessel Disease. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017 , 19, 56	2.1	39
529	Brain grey and white matter predictors of verbal ability traits in older age: The Lothian Birth Cohort 1936. <i>NeuroImage</i> , 2017 , 156, 394-402	7.9	14
528	Education, Socioeconomic Status, and Intelligence in Childhood and Stroke Risk in Later Life: A Meta-analysis. <i>Epidemiology</i> , 2017 , 28, 608-618	3.1	42
527	Endovascular therapy for acute ischaemic stroke: the Pragmatic Ischaemic Stroke Thrombectomy Evaluation (PISTE) randomised, controlled trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017 , 88, 38-44	5.5	200

526	Associations between hippocampal morphology, diffusion characteristics, and salivary cortisol in older men. <i>Psychoneuroendocrinology</i> , 2017 , 78, 151-158	5	7
525	Carotid disease at age 73 and cognitive change from age 70 to 76 years: A longitudinal cohort study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3042-3052	7.3	10
524	Interaction of APOE e4 and poor glycemic control predicts white matter hyperintensity growth from 73 to 76. <i>Neurobiology of Aging</i> , 2017 , 54, 54-58	5.6	15
523	Cerebral White Matter Hypoperfusion Increases with Small-Vessel Disease Burden. Data From the Third International Stroke Trial. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017 , 26, 1506-1513	2.8	36
522	Frequency and Predictors of Dysphagia in Patients With Recent Small Subcortical Infarcts. <i>Stroke</i> , 2017 , 48, 213-215	6.7	13
521	Arterial Obstruction on Computed Tomographic or Magnetic Resonance Angiography and Response to Intravenous Thrombolytics in Ischemic Stroke. <i>Stroke</i> , 2017 , 48, 353-360	6.7	23
520	Hippocampal morphology and cognitive functions in community-dwelling older people: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2017 , 52, 1-11	5.6	7
519	Ageing causes prominent neurovascular dysfunction associated with loss of astrocytic contacts and gliosis. <i>Neuropathology and Applied Neurobiology</i> , 2017 , 43, 477-491	5.2	38
518	Mediterranean-type diet and brain structural change from 73 to 76 years in a Scottish cohort. <i>Neurology</i> , 2017 , 88, 449-455	6.5	73
517	Intensive versus Guideline Blood Pressure and Lipid Lowering in Patients with Previous Stroke: Main Results from the Pilot 'Prevention of Decline in Cognition after Stroke Trial' (PODCAST) Randomised Controlled Trial. <i>PLoS ONE</i> , 2017 , 12, e0164608	3.7	41
516	Molecular genetic contributions to self-rated health. <i>International Journal of Epidemiology</i> , 2017 , 46, 994-1009	7.8	30
515	Metric to quantify white matter damage on brain magnetic resonance images. <i>Neuroradiology</i> , 2017 , 59, 951-962	3.2	11
514	Small Vessel Disease and Dietary Salt Intake: Cross-Sectional Study and Systematic Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017 , 26, 3020-3028	2.8	19
513	Brain lesion segmentation through image synthesis and outlier detection. <i>NeuroImage: Clinical</i> , 2017 , 16, 643-658	5.3	25
512	Retinal Biomarker Discovery for Dementia in an Elderly Diabetic Population. <i>Lecture Notes in Computer Science</i> , 2017 , 150-158	0.9	1
511	Processing speed and the relationship between Trail Making Test-B performance, cortical thinning and white matter microstructure in older adults. <i>Cortex</i> , 2017 , 95, 92-103	3.8	47
510	Detection, risk factors, and functional consequences of cerebral microinfarcts. <i>Lancet Neurology</i> , 2017 , 16, 730-740	24.1	152
509	Infections Up to 76 Days After Stroke Increase Disability and Death. <i>Translational Stroke Research</i> , 2017 , 8, 541-548	7.8	15

508	Dietary Iodine Exposure and Brain Structures and Cognition in Older People. Exploratory Analysis in the Lothian Birth Cohort 1936. <i>Journal of Nutrition, Health and Aging</i> , 2017 , 21, 971-979	5.2	9
507	White matter hyperintensity reduction and outcomes after minor stroke. <i>Neurology</i> , 2017 , 89, 1003-1010	6.5	63
506	Sample size considerations for trials using cerebral white matter hyperintensity progression as an intermediate outcome at 1 year after mild stroke: results of a prospective cohort study. <i>Trials</i> , 2017 , 18, 78	2.8	13
505	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1497-1514	4.1	87
504	Fatigue and cognitive function in systemic lupus erythematosus: associations with white matter microstructural damage. A diffusion tensor MRI study and meta-analysis. <i>Lupus</i> , 2017 , 26, 588-597	2.6	21
503	Blood-brain barrier failure as a core mechanism in cerebral small vessel disease and dementia: evidence from a cohort study 2017 , 13, 634-643		121
502	Application of Texture Analysis to Study Small Vessel Disease and Blood-Brain Barrier Integrity. <i>Frontiers in Neurology</i> , 2017 , 8, 327	4.1	17
501	Optimizing the Definitions of Stroke, Transient Ischemic Attack, and Infarction for Research and Application in Clinical Practice. <i>Frontiers in Neurology</i> , 2017 , 8, 537	4.1	31
500	Whole Brain Magnetic Resonance Image Atlases: A Systematic Review of Existing Atlases and Caveats for Use in Population Imaging. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 1	3.9	77
499	Maximizing the Potential of Longitudinal Cohorts for Research in Neurodegenerative Diseases: A Community Perspective. <i>Frontiers in Neuroscience</i> , 2017 , 11, 467	5.1	5
498	Impact of detecting potentially serious incidental findings during multi-modal imaging. <i>Wellcome Open Research</i> , 2017 , 2, 114	4.8	16
497	The clinico-radiological paradox of cognitive function and MRI burden of white matter lesions in people with multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2017 , 12, e0177727	3.7	44
496	Variance components associated with long-echo-time MR spectroscopic imaging in human brain at 1.5T and 3T. <i>PLoS ONE</i> , 2017 , 12, e0189872	3.7	
495	Improved Reference Tracts for Unsupervised Brain White Matter Tractography. <i>Communications in Computer and Information Science</i> , 2017 , 425-435	0.3	1
494	Incidental findings: Current ethical debates and future challenges in advanced neuroimaging 2017 ,		4
493	Blood pressure and sodium: Association with MRI markers in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 264-74	7.3	44
492	Brain white matter structure and information processing speed in healthy older age. <i>Brain Structure and Function</i> , 2016 , 221, 3223-35	4	49
491	Consensus statement for diagnosis of subcortical small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 6-25	7.3	112

490	Effects of Alteplase for Acute Stroke on the Distribution of Functional Outcomes: A Pooled Analysis of 9 Trials. <i>Stroke</i> , 2016 , 47, 2373-9	6.7	132
489	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 511-520		34
488	Effect of Right Insular Involvement on Death and Functional Outcome After Acute Ischemic Stroke in the IST-3 Trial (Third International Stroke Trial). <i>Stroke</i> , 2016 , 47, 2959-2965	6.7	21
487	Effects of alteplase on survival after ischaemic stroke (IST-3): 3 year follow-up of a randomised, controlled, open-label trial. <i>Lancet Neurology, The</i> , 2016 , 15, 1028-34	24.1	30
486	Endothelial Function, Inflammation, Thrombosis, and Basal Ganglia Perivascular Spaces in Patients with Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016 , 25, 2925-2931	2.8	17
485	Mortality after thrombolysis - Authors' reply. <i>Lancet Neurology, The</i> , 2016 , 15, 1305	24.1	
484	Pseudo-healthy Image Synthesis for White Matter Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 87-96	0.9	12
483	A structural and functional magnetic resonance imaging dataset of brain tumour patients. <i>Scientific Data</i> , 2016 , 3, 160003	8.2	10
482	3D shape analysis of the brain's third ventricle using a midplane encoded symmetric template model. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 129, 51-62	6.9	1
481	Vascular risk factors and progression of white matter hyperintensities in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2016 , 42, 116-23	5.6	49
480	Risk of intracerebral haemorrhage with alteplase after acute ischaemic stroke: a secondary analysis of an individual patient data meta-analysis. <i>Lancet Neurology, The</i> , 2016 , 15, 925-933	24.1	118
479	Shared genetic aetiology between cognitive functions and physical and mental health in UK Biobank (N=112 151) and 24 GWAS consortia. <i>Molecular Psychiatry</i> , 2016 , 21, 1624-1632	15.1	257
478	Identification of imaging selection patterns in acute ischemic stroke patients and the influence on treatment and clinical trial enrollment decision making. <i>International Journal of Stroke</i> , 2016 , 11, 180-90	6.3	4
477	Stroke imaging in the age of thrombolysis. <i>Imaging</i> , 2016 , 20120004		
476	Tracer kinetic modelling for DCE-MRI quantification of subtle blood-brain barrier permeability. <i>NeuroImage</i> , 2016 , 125, 446-455	7.9	86
475	Glyceryl Trinitrate for Acute Intracerebral Hemorrhage: Results From the Efficacy of Nitric Oxide in Stroke (ENOS) Trial, a Subgroup Analysis. <i>Stroke</i> , 2016 , 47, 44-52	6.7	23
474	Cerebral small vessel disease: Capillary pathways to stroke and cognitive decline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 302-25	7.3	164
473	Evaluation of a pre-surgical functional MRI workflow: From data acquisition to reporting. <i>International Journal of Medical Informatics</i> , 2016 , 86, 37-42	5.3	8

472	ABCD2 score and secondary stroke prevention: Meta-analysis and effect per 1,000 patients triaged. <i>Neurology</i> , 2016 , 86, 697	6.5	2
471	Development and initial evaluation of a semi-automatic approach to assess perivascular spaces on conventional magnetic resonance images. <i>Journal of Neuroscience Methods</i> , 2016 , 257, 34-44	3	24
470	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. <i>Stroke</i> , 2016 , 47, 410-6	6.7	26
469	Magnetic resonance imaging for assessment of cerebrovascular reactivity in cerebral small vessel disease: A systematic review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 833-41	7.3	50
468	Cerebrovascular Disease in Rheumatic Diseases: A Systematic Review and Meta-Analysis. <i>Stroke</i> , 2016 , 47, 943-50	6.7	73
467	Continuing versus Stopping Prestroke Antihypertensive Therapy in Acute Intracerebral Hemorrhage: A Subgroup Analysis of the Efficacy of Nitric Oxide in Stroke Trial. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016 , 25, 1017-1026	2.8	7
466	Effect of alteplase on the CT hyperdense artery sign and outcome after ischemic stroke. <i>Neurology</i> , 2016 , 86, 118-25	6.5	23
465	Imaging signatures of meningioma and low-grade glioma: a diffusion tensor, magnetization transfer and quantitative longitudinal relaxation time MRI study. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 596-602	3.3	9
464	Genome-wide meta-analysis of cerebral white matter hyperintensities in patients with stroke. <i>Neurology</i> , 2016 , 86, 146-53	6.5	67
463	Polygenic risk of ischemic stroke is associated with cognitive ability. <i>Neurology</i> , 2016 , 86, 611-8	6.5	13
462	Early life characteristics and late life burden of cerebral small vessel disease in the Lothian Birth Cohort 1936. <i>Aging</i> , 2016 , 8, 2039-2061	5.6	17
461	Effect of Treatment Delay, Stroke Type, and Thrombolysis on the Effect of Glyceryl Trinitrate, a Nitric Oxide Donor, on Outcome after Acute Stroke: A Systematic Review and Meta-Analysis of Individual Patient from Randomised Trials. <i>Stroke Research and Treatment</i> , 2016 , 2016, 9706720	1.7	19
460	Volumetric and Correlational Implications of Brain Parcellation Method Selection: A 3-Way Comparison in the Frontal Lobes. <i>Journal of Computer Assisted Tomography</i> , 2016 , 40, 53-60	2.2	1
459	Response to Letter Regarding Article, "Clinically Confirmed Stroke With Negative Diffusion-Weighted Imaging Magnetic Resonance Imaging: Longitudinal Study of Clinical Outcomes, Stroke Recurrence, and Systematic Review". <i>Stroke</i> , 2016 , 47, e54	6.7	
458	Automatic Rating of Perivascular Spaces in Brain MRI Using Bag of Visual Words. <i>Lecture Notes in Computer Science</i> , 2016 , 642-649	0.9	4
457	Update on cerebral small vessel disease: a dynamic whole-brain disease. <i>Stroke and Vascular Neurology</i> , 2016 , 1, 83-92	9.1	199
456	Cognitive reserve moderates long-term cognitive and functional outcome in cerebral small vessel disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 1296-1302	5.5	31
455	Ageing and brain white matter structure in 3,513 UK Biobank participants. <i>Nature Communications</i> , 2016 , 7, 13629	17.4	207

454	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, 1319-37	7.3	65
453	IST-3 stroke trial data available. <i>Lancet, The</i> , 2016 , 387, 1904	4.0	0
452	Trait conscientiousness and the personality meta-trait stability are associated with regional white matter microstructure. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 1255-61	4	15
451	On the computational assessment of white matter hyperintensity progression: difficulties in method selection and bias field correction performance on images with significant white matter pathology. <i>Neuroradiology</i> , 2016 , 58, 475-85	3.2	6
450	Application of the Ordered Logit Model to Optimising Frangi Filter Parameters for Segmentation of Perivascular Spaces. <i>Procedia Computer Science</i> , 2016 , 90, 61-67	1.6	15
449	METACOHORTS for the study of vascular disease and its contribution to cognitive decline and neurodegeneration: An initiative of the Joint Programme for Neurodegenerative Disease Research. <i>Alzheimer's and Dementia</i> , 2016 , 12, 1235-1249	1.2	54
448	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
447	Cerebral Small Vessel Disease Burden Is Increased in Systemic Lupus Erythematosus. <i>Stroke</i> , 2016 , 47, 2722-2728	6.7	38
446	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. <i>Neurology</i> , 2016 , 87, 1820-1826	6.5	26
445	Texture-based Classification for the Automatic Rating of the Perivascular Spaces in Brain MRI. <i>Procedia Computer Science</i> , 2016 , 90, 9-14	1.6	2
444	Cerebral blood flow in small vessel disease: A systematic review and meta-analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1653-1667	7.3	147
443	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015 , 520, 224-9	50.4	601
442	Proton spectroscopic imaging of brain metabolites in basal ganglia of healthy older adults. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015 , 28, 251-7	2.8	3
441	Exploratory analysis of dietary intake and brain iron accumulation detected using magnetic resonance imaging in older individuals: the Lothian Birth Cohort 1936. <i>Journal of Nutrition, Health and Aging</i> , 2015 , 19, 64-9	5.2	7
440	Observer reliability of CT angiography in the assessment of acute ischaemic stroke: data from the Third International Stroke Trial. <i>Neuroradiology</i> , 2015 , 57, 1-9	3.2	29
439	ABCD2 score and secondary stroke prevention: meta-analysis and effect per 1,000 patients triaged. <i>Neurology</i> , 2015 , 85, 373-80	6.5	92
438	Cochrane reviewers' response to Alper and colleagues' analysis of thrombolysis in acute ischaemic stroke. <i>BMJ, The</i> , 2015 , 350, h1790	5.9	1
437	Hypertension fails to disrupt white matter integrity in young or aged Fisher (F44) Cyp1a1Ren2 transgenic rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 188-92	7.3	5

436	Morphological MRI characteristics of recent small subcortical infarcts. <i>International Journal of Stroke</i> , 2015 , 10, 1037-43	6.3	13
435	Multiethnic genome-wide association study of cerebral white matter hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 398-409		119
434	Cerebral lesions on 7 tesla MRI in patients with sickle cell anemia. <i>Cerebrovascular Diseases</i> , 2015 , 39, 181-9	3.2	14
433	Cerebral perivascular spaces visible on magnetic resonance imaging: development of a qualitative rating scale and its observer reliability. <i>Cerebrovascular Diseases</i> , 2015 , 39, 224-31	3.2	170
432	Alteplase for acute ischemic stroke: outcomes by clinically important subgroups in the Third International Stroke Trial. <i>Stroke</i> , 2015 , 46, 746-56	6.7	50
431	Cerebral small vessel disease and renal function: systematic review and meta-analysis. <i>Cerebrovascular Diseases</i> , 2015 , 39, 39-52	3.2	58
430	Heritability of fractional anisotropy in human white matter: a comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015 , 111, 300-11	7.9	159
429	Clinically Confirmed Stroke With Negative Diffusion-Weighted Imaging Magnetic Resonance Imaging: Longitudinal Study of Clinical Outcomes, Stroke Recurrence, and Systematic Review. <i>Stroke</i> , 2015 , 46, 3142-8	6.7	77
428	Brain iron deposits and lifespan cognitive ability. <i>Age</i> , 2015 , 37, 100		20
427	Permutation and parametric tests for effect sizes in voxel-based morphometry of gray matter volume in brain structural MRI. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 1299-1305	3.3	21
426	Thrombectomy for Acute Ischemic Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1803-5	27.4	3
425	Effect of Hyperacute Administration (Within 6 Hours) of Transdermal Glyceryl Trinitrate, a Nitric Oxide Donor, on Outcome After Stroke: Subgroup Analysis of the Efficacy of Nitric Oxide in Stroke (ENOS) Trial. <i>Stroke</i> , 2015 , 46, 3194-201	6.7	63
424	Effects of Blood Pressure and Blood Pressure-Lowering Treatment During the First 24 Hours Among Patients in the Third International Stroke Trial of Thrombolytic Treatment for Acute Ischemic Stroke. <i>Stroke</i> , 2015 , 46, 3362-9	6.7	58
423	Early Life Risk Factors for Stroke and Cognitive Impairment. <i>Current Epidemiology Reports</i> , 2015 , 2, 172-179		1
422	Association of allostatic load with brain structure and cognitive ability in later life. <i>Neurobiology of Aging</i> , 2015 , 36, 1390-9	5.6	52
421	Performance characteristics of methods for quantifying spontaneous intracerebral haemorrhage: data from the Efficacy of Nitric Oxide in Stroke (ENOS) trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 1258-66	5.5	23
420	Total MRI load of cerebral small vessel disease and cognitive ability in older people. <i>Neurobiology of Aging</i> , 2015 , 36, 2806-11	5.6	151
419	Plasma Biomarkers of Inflammation, Endothelial Function and Hemostasis in Cerebral Small Vessel Disease. <i>Cerebrovascular Diseases</i> , 2015 , 40, 157-64	3.2	21

418	Effect of Intravenous Recombinant Tissue-Type Plasminogen Activator in Patients With Mild Stroke in the Third International Stroke Trial-3: Post Hoc Analysis. <i>Stroke</i> , 2015 , 46, 2325-7	6.7	34
417	Genes from a translational analysis support a multifactorial nature of white matter hyperintensities. <i>Stroke</i> , 2015 , 46, 341-7	6.7	24
416	Post-mortem brain analyses of the Lothian Birth Cohort 1936: extending lifetime cognitive and brain phenotyping to the level of the synapse. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 53	7.3	19
415	Intracranial Carotid Calcification on Cranial Computed Tomography: Visual Scoring Methods, Semiautomated Scores, and Volume Measurements in Patients With Stroke. <i>Stroke</i> , 2015 , 46, 2504-9	6.7	31
414	Compensation or inhibitory failure? Testing hypotheses of age-related right frontal lobe involvement in verbal memory ability using structural and diffusion MRI. <i>Cortex</i> , 2015 , 63, 4-15	3.8	16
413	Phase-based metamorphosis of diffusion lesion in relation to perfusion values in acute ischemic stroke. <i>NeuroImage: Clinical</i> , 2015 , 9, 44-9	5.3	
412	White matter hyperintensities and normal-appearing white matter integrity in the aging brain. <i>Neurobiology of Aging</i> , 2015 , 36, 909-18	5.6	163
411	Sensitivity and specificity of the hyperdense artery sign for arterial obstruction in acute ischemic stroke. <i>Stroke</i> , 2015 , 46, 102-7	6.7	71
410	Protocol for the perfusion and angiography imaging sub-study of the Third International Stroke Trial (IST-3) of alteplase treatment within six-hours of acute ischemic stroke. <i>International Journal of Stroke</i> , 2015 , 10, 956-68	6.3	20
409	Automated segmentation of multifocal basal ganglia T2*-weighted MRI hypointensities. <i>NeuroImage</i> , 2015 , 105, 332-46	7.9	8
408	Structural Brain MRI Trait Polygenic Score Prediction of Cognitive Abilities. <i>Twin Research and Human Genetics</i> , 2015 , 18, 738-45	2.2	3
407	International survey of acute stroke imaging used to make revascularization treatment decisions. <i>International Journal of Stroke</i> , 2015 , 10, 759-62	6.3	40
406	Rationale, design and methodology of the image analysis protocol for studies of patients with cerebral small vessel disease and mild stroke. <i>Brain and Behavior</i> , 2015 , 5, e00415	3.4	57
405	A comparison of location of acute symptomatic vs. 'silent' small vessel lesions. <i>International Journal of Stroke</i> , 2015 , 10, 1044-50	6.3	45
404	APOE/TOMM40 genetic loci, white matter hyperintensities, and cerebral microbleeds. <i>International Journal of Stroke</i> , 2015 , 10, 1297-300	6.3	10
403	Baseline characteristics, analysis plan and report on feasibility for the Prevention Of Decline in Cognition After Stroke Trial (PODCAST). <i>Trials</i> , 2015 , 16, 509	2.8	5
402	Response to Letter Regarding Article, "Intracranial Carotid Calcification on Cranial Computed Tomography: Visual Scoring Methods, Semiautomated Scores, and Volume Measurements in Patients With Stroke". <i>Stroke</i> , 2015 , 46, e255	6.7	1
401	Intelligence in childhood and atherosclerosis of the carotid and peripheral arteries in later life: the Lothian Birth Cohort 1936. <i>PLoS ONE</i> , 2015 , 10, e0125280	3.7	

400	Use of brain MRI atlases to determine boundaries of age-related pathology: the importance of statistical method. <i>PLoS ONE</i> , 2015 , 10, e0127939	3.7	15
399	Consent for Brain Tissue Donation after Intracerebral Haemorrhage: A Community-Based Study. <i>PLoS ONE</i> , 2015 , 10, e0135043	3.7	11
398	Coupled changes in brain white matter microstructure and fluid intelligence in later life. <i>Journal of Neuroscience</i> , 2015 , 35, 8672-82	6.6	69
397	Beyond a bigger brain: Multivariable structural brain imaging and intelligence. <i>Intelligence</i> , 2015 , 51, 47-56	3	77
396	Cigarette smoking and thinning of the brain's cortex. <i>Molecular Psychiatry</i> , 2015 , 20, 778-85	15.1	100
395	Brain volumetric changes and cognitive ageing during the eighth decade of life. <i>Human Brain Mapping</i> , 2015 , 36, 4910-25	5.9	53
394	Enlarged perivascular spaces and cerebral small vessel disease. <i>International Journal of Stroke</i> , 2015 , 10, 376-81	6.3	145
393	Pharmacological treatment and prevention of cerebral small vessel disease: a review of potential interventions. <i>International Journal of Stroke</i> , 2015 , 10, 469-78	6.3	100
392	Acting on incidental findings in research imaging. <i>BMJ, The</i> , 2015 , 351, h5190	5.9	28
391	What are white matter hyperintensities made of? Relevance to vascular cognitive impairment. <i>Journal of the American Heart Association</i> , 2015 , 4, 001140	6	364
390	Does white matter structure or hippocampal volume mediate associations between cortisol and cognitive ageing?. <i>Psychoneuroendocrinology</i> , 2015 , 62, 129-37	5	18
389	Gliovascular disruption and cognitive deficits in a mouse model with features of small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1005-14	7.3	70
388	Influence of intracerebral hemorrhage location on incidence, characteristics, and outcome: population-based study. <i>Stroke</i> , 2015 , 46, 361-8	6.7	98
387	Brain white matter integrity and cortisol in older men: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2015 , 36, 257-64	5.6	21
386	Effect of X-Ray Attenuation of Arterial Obstructions on Intravenous Thrombolysis and Outcome after Ischemic Stroke. <i>PLoS ONE</i> , 2015 , 10, e0145683	3.7	2
385	Diffusion-weighted imaging and diagnosis of transient ischemic attack. <i>Annals of Neurology</i> , 2014 , 75, 67-76	9.4	98
384	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014 , 8, 153-82	4.1	539
383	Assessment of blood-brain barrier disruption using dynamic contrast-enhanced MRI. A systematic review. <i>NeuroImage: Clinical</i> , 2014 , 6, 262-74	5.3	211

382	Stroke subtype, vascular risk factors, and total MRI brain small-vessel disease burden. <i>Neurology</i> , 2014 , 83, 1228-34	6.5	412
381	Systematic review and meta-analysis of interventions tested in animal models of lacunar stroke. <i>Stroke</i> , 2014 , 45, 563-70	6.7	28
380	Alteplase for ischaemic stroke--responses. <i>Lancet, The</i> , 2014 , 384, 660-1	4.0	0
379	Alteplase for ischaemic stroke--responses. <i>Lancet, The</i> , 2014 , 384, 661-2	4.0	1
378	Differentiation of calcified regions and iron deposits in the ageing brain on conventional structural MR images. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 324-33	5.6	16
377	Relationship between poststroke cognition, baseline factors, and functional outcome: data from "efficacy of nitric oxide in stroke" trial. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014 , 23, 1821-9	2.8	30
376	EuroHYP-1: European multicenter, randomized, phase III clinical trial of therapeutic hypothermia plus best medical treatment vs. best medical treatment alone for acute ischemic stroke. <i>International Journal of Stroke</i> , 2014 , 9, 642-5	6.3	103
375	Using longitudinal metamorphosis to examine ischemic stroke lesion dynamics on perfusion-weighted images and in relation to final outcome on T2-w images. <i>NeuroImage: Clinical</i> , 2014 , 5, 332-40	5.3	11
374	Imaging of acute stroke prior to treatment: current practice and evolving techniques. <i>British Journal of Radiology</i> , 2014 , 87, 20140216	3.4	38
373	Thrombolysis for acute ischaemic stroke. <i>The Cochrane Library</i> , 2014 , CD000213	5.2	258
372	Effect of treatment delay, age, and stroke severity on the effects of intravenous thrombolysis with alteplase for acute ischaemic stroke: a meta-analysis of individual patient data from randomised trials. <i>Lancet, The</i> , 2014 , 384, 1929-35	4.0	1415
371	Quantitative multi-modal MRI of the Hippocampus and cognitive ability in community-dwelling older subjects. <i>Cortex</i> , 2014 , 53, 34-44	3.8	21
370	Morphologic, distributional, volumetric, and intensity characterization of periventricular hyperintensities. <i>American Journal of Neuroradiology</i> , 2014 , 35, 55-62	4.4	25
369	Blood pressure, internal carotid artery flow parameters, and age-related white matter hyperintensities. <i>Hypertension</i> , 2014 , 63, 1011-8	8.5	93
368	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. <i>NeuroImage</i> , 2014 , 95, 136-50	7.9	95
367	Pretreatment blood-brain barrier damage and post-treatment intracranial hemorrhage in patients receiving intravenous tissue-type plasminogen activator. <i>Stroke</i> , 2014 , 45, 2030-5	6.7	55
366	Correlational structure of 'frontal' tests and intelligence tests indicates two components with asymmetrical neurostructural correlates in old age. <i>Intelligence</i> , 2014 , 46, 94-106	3	11
365	Alzheimer's disease susceptibility genes APOE and TOMM40, and brain white matter integrity in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2014 , 35, 1513.e25-33	5.6	47

364	Personality, health, and brain integrity: the Lothian birth cohort study 1936. <i>Health Psychology</i> , 2014 , 33, 1477-86	5	29
363	Derivation and evaluation of thresholds for core and tissue at risk of infarction using CT perfusion. <i>Journal of Neuroimaging</i> , 2014 , 24, 562-568	2.8	14
362	Targeting recombinant tissue-type plasminogen activator in acute ischemic stroke based on risk of intracranial hemorrhage or poor functional outcome: an analysis of the third international stroke trial. <i>Stroke</i> , 2014 , 45, 1000-6	6.7	52
361	Thrombolysis for Acute Ischemic Stroke, Update August 2014. <i>Stroke</i> , 2014 , 45,	6.7	3
360	Childhood cognitive ability accounts for associations between cognitive ability and brain cortical thickness in old age. <i>Molecular Psychiatry</i> , 2014 , 19, 555-9	15.1	80
359	Are APOE e genotype and TOMM40 poly-T repeat length associations with cognitive ageing mediated by brain white matter tract integrity?. <i>Translational Psychiatry</i> , 2014 , 4, e449	8.6	16
358	Vascular risk factors, large-artery atheroma, and brain white matter hyperintensities. <i>Neurology</i> , 2014 , 82, 1331-8	6.5	136
357	Potential effect of skull thickening on the associations between cognition and brain atrophy in ageing. <i>Age and Ageing</i> , 2014 , 43, 712-6	3	3
356	Circulating inflammatory markers are associated with magnetic resonance imaging-visible perivascular spaces but not directly with white matter hyperintensities. <i>Stroke</i> , 2014 , 45, 605-7	6.7	81
355	Statistical analysis plan for the 'Efficacy of Nitric Oxide in Stroke' (ENOS) trial. <i>International Journal of Stroke</i> , 2014 , 9, 372-4	6.3	23
354	Reliability of MRSI brain temperature mapping at 1.5 and 3 T. <i>NMR in Biomedicine</i> , 2014 , 27, 183-90	4.4	20
353	Effect of alteplase within 6 hours of acute ischemic stroke on all-cause mortality (third International Stroke Trial). <i>Stroke</i> , 2014 , 45, 3612-7	6.7	15
352	Validity of acute stroke lesion volume estimation by diffusion-weighted imaging-Alberta Stroke Program Early Computed Tomographic Score depends on lesion location in 496 patients with middle cerebral artery stroke. <i>Stroke</i> , 2014 , 45, 3583-8	6.7	24
351	Blood markers of coagulation, fibrinolysis, endothelial dysfunction and inflammation in lacunar stroke versus non-lacunar stroke and non-stroke: systematic review and meta-analysis. <i>Cerebrovascular Diseases</i> , 2014 , 37, 64-75	3.2	104
350	Differential gene expression in multiple neurological, inflammatory and connective tissue pathways in a spontaneous model of human small vessel stroke. <i>Neuropathology and Applied Neurobiology</i> , 2014 , 40, 855-72	5.2	16
349	Differing associations of white matter lesions and lacunar infarction with retinal microvascular signs. <i>International Journal of Stroke</i> , 2014 , 9, 921-5	6.3	19
348	A systematic review of brain frontal lobe parcellation techniques in magnetic resonance imaging. <i>Brain Structure and Function</i> , 2014 , 219, 1-22	4	30
347	Imaging perfusion deficits, arterial patency and thrombolysis safety and efficacy in acute ischaemic stroke. An observational study of the effect of advanced imaging methods in The Third International Stroke Trial (IST-3), a randomised controlled trial. <i>Efficacy and Mechanism Evaluation</i> , 2014 , 1, 1-81	1.7	8

346	An assessment of the cost-effectiveness of magnetic resonance, including diffusion-weighted imaging, in patients with transient ischaemic attack and minor stroke: a systematic review, meta-analysis and economic evaluation. <i>Health Technology Assessment</i> , 2014 , 18, 1-368, v-vi	4.4	41
345	A test-retest fMRI dataset for motor, language and spatial attention functions. <i>GigaScience</i> , 2013 , 2, 6	7.6	31
344	Neck muscle cross-sectional area, brain volume and cognition in healthy older men: a cohort study. <i>BMC Geriatrics</i> , 2013 , 13, 20	4.1	14
343	Brain atrophy associations with white matter lesions in the ageing brain: the Lothian Birth Cohort 1936. <i>European Radiology</i> , 2013 , 23, 1084-92	8	54
342	Seropositivity for CMV and IL-6 levels are associated with grip strength and muscle size in the elderly. <i>Immunity and Ageing</i> , 2013 , 10, 33	9.7	22
341	Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. <i>Lancet Neurology, The</i> , 2013 , 12, 822-38	24.1	2662
340	ADRB2, brain white matter integrity and cognitive ageing in the Lothian Birth Cohort 1936. <i>Behavior Genetics</i> , 2013 , 43, 13-23	3.2	7
339	Brain white matter damage in aging and cognitive ability in youth and older age. <i>Neurobiology of Aging</i> , 2013 , 34, 2740-7	5.6	64
338	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: a pilot project of the ENIGMA-DTI working group. <i>NeuroImage</i> , 2013 , 81, 455-469	7.9	278
337	Estimated maximal and current brain volume predict cognitive ability in old age. <i>Neurobiology of Aging</i> , 2013 , 34, 2726-33	5.6	58
336	Microbleeds in cerebral small vessel disease - authors' reply. <i>Lancet Neurology, The</i> , 2013 , 12, 736-7	24.1	8
335	Influence of thickening of the inner skull table on intracranial volume measurement in older people. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 918-22	3.3	9
334	Periventricular white matter integrity and cortisol levels in healthy controls and in euthymic patients with bipolar disorder: an exploratory analysis. <i>Journal of Affective Disorders</i> , 2013 , 148, 249-55	6.6	7
333	Apparent diffusion coefficient thresholds and diffusion lesion volume in acute stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013 , 22, 906-9	2.8	11
332	Cerebellar vermis size and cognitive ability in community-dwelling elderly men. <i>Cerebellum</i> , 2013 , 12, 68-73	4.3	15
331	Dystypia in acute stroke not attributable to aphasia or neglect. <i>BMJ Case Reports</i> , 2013 , 2013,	0.9	8
330	Mechanisms of sporadic cerebral small vessel disease: insights from neuroimaging. <i>Lancet Neurology, The</i> , 2013 , 12, 483-97	24.1	936
329	Characterization of multifocal T2*-weighted MRI hypointensities in the basal ganglia of elderly, community-dwelling subjects. <i>NeuroImage</i> , 2013 , 82, 470-80	7.9	13

328	Thrombolysis (different doses, routes of administration and agents) for acute ischaemic stroke. <i>The Cochrane Library</i> , 2013 , CD000514	5.2	26
327	Prevention of Decline in Cognition after Stroke Trial (PODCAST): a study protocol for a factorial randomised controlled trial of intensive versus guideline lowering of blood pressure and lipids. <i>Trials</i> , 2013 , 14, 401	2.8	13
326	Lesion area detection using source image correlation coefficient for CT perfusion imaging. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 950-8	7.2	6
325	Close correlation between quantitative and qualitative assessments of white matter lesions. <i>Neuroepidemiology</i> , 2013 , 40, 13-22	5.4	74
324	Variation in risk factors for recent small subcortical infarcts with infarct size, shape, and location. <i>Stroke</i> , 2013 , 44, 3000-6	6.7	48
323	Recommendations on angiographic revascularization grading standards for acute ischemic stroke: a consensus statement. <i>Stroke</i> , 2013 , 44, 2650-63	6.7	884
322	CT and Clinical Predictors of Fatigue at One Month after Stroke. <i>Cerebrovascular Diseases Extra</i> , 2013 , 3, 26-34	2.1	32
321	Acute Stroke Imaging Research Roadmap II. <i>Stroke</i> , 2013 , 44, 2628-39	6.7	133
320	Effect of the neutral CLOTS 1 trial on the use of graduated compression stockings in the Efficacy of Nitric Oxide Stroke (ENOS) trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 342-7	5.5	2
319	Cognitive impairment after lacunar stroke: systematic review and meta-analysis of incidence, prevalence and comparison with other stroke subtypes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 893-900	5.5	134
318	Clinical and imaging services for TIA and minor stroke: results of two surveys of practice across the UK. <i>BMJ Open</i> , 2013 , 3,	3	24
317	Clinical relevance and practical implications of trials of perfusion and angiographic imaging in patients with acute ischaemic stroke: a multicentre cohort imaging study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 1001-7	5.5	14
316	17q25 Locus is associated with white matter hyperintensity volume in ischemic stroke, but not with lacunar stroke status. <i>Stroke</i> , 2013 , 44, 1609-15	6.7	37
315	CT PERFUSION IN ACUTE ISCHAEMIC STROKE: DO WE COVER THE LESION AND WHAT DOES IT MEAN?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, e2.193-e2	5.5	
314	Neuroticism, depressive symptoms and white-matter integrity in the Lothian Birth Cohort 1936. <i>Psychological Medicine</i> , 2013 , 43, 1197-206	6.9	25
313	Details of a prospective protocol for a collaborative meta-analysis of individual participant data from all randomized trials of intravenous rt-PA vs. control: statistical analysis plan for the Stroke Thrombolysis Trialists' Collaborative meta-analysis. <i>International Journal of Stroke</i> , 2013 , 8, 278-83	6.3	16
312	Towards the automatic computational assessment of enlarged perivascular spaces on brain magnetic resonance images: a systematic review. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 774-85	5.6	46
311	Blood-brain barrier permeability and long-term clinical and imaging outcomes in cerebral small vessel disease. <i>Stroke</i> , 2013 , 44, 525-7	6.7	106

310	Relationships between brain and body temperature, clinical and imaging outcomes after ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1083-9	7.3	31
309	Brain white matter tract integrity and cognitive abilities in community-dwelling older people: the Lothian Birth Cohort, 1936. <i>Neuropsychology</i> , 2013 , 27, 595-607	3.8	28
308	Assessing the performance of atlas-based prefrontal brain parcellation in an aging cohort. <i>Journal of Computer Assisted Tomography</i> , 2013 , 37, 257-64	2.2	8
307	Incidental findings on brain MR imaging in older community-dwelling subjects are common but serious medical consequences are rare: a cohort study. <i>PLoS ONE</i> , 2013 , 8, e71467	3.7	40
306	Associations between level and change in physical function and brain volumes. <i>PLoS ONE</i> , 2013 , 8, e80386	3.7	16
305	Alzheimer's disease susceptibility genes APOE and TOMM40, and hippocampal volumes in the Lothian birth cohort 1936. <i>PLoS ONE</i> , 2013 , 8, e80513	3.7	25
304	Variance in brain volume with advancing age: implications for defining the limits of normality. <i>PLoS ONE</i> , 2013 , 8, e84093	3.7	27
303	Spatiotemporal dynamic simulation of acute perfusion/diffusion ischemic stroke lesions evolution: a pilot study derived from longitudinal MR patient data. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 283593	2.8	5
302	Brain Findings Associated with Iodine Deficiency Identified by Magnetic Resonance Methods: A Systematic Review. <i>Open Journal of Radiology</i> , 2013 , 03, 180-195	0.2	3
301	Cerebral microinfarcts: the invisible lesions. <i>Lancet Neurology</i> , 2012 , 11, 272-82	24.1	325
300	Prediction of haematoma expansion with the CTA spot sign: a useful biomarker?. <i>Lancet Neurology</i> , 2012 , 11, 294-5	24.1	13
299	Statistical analysis plan for the third International Stroke Trial (IST-3); part of a 'thread' of reports of the trial. <i>International Journal of Stroke</i> , 2012 , 7, 186-7	6.3	29
298	Etiology of stroke and choice of models. <i>International Journal of Stroke</i> , 2012 , 7, 398-406	6.3	65
297	Automatic segmentation of brain white matter and white matter lesions in normal aging: comparison of five multispectral techniques. <i>Magnetic Resonance Imaging</i> , 2012 , 30, 222-9	3.3	21
296	Fibrinogen depleting agents for acute ischaemic stroke. <i>The Cochrane Library</i> , 2012 , CD000091	5.2	28
295	Recombinant tissue plasminogen activator for acute ischaemic stroke: an updated systematic review and meta-analysis. <i>Lancet</i> , 2012 , 379, 2364-72	40	695
294	The benefits and harms of intravenous thrombolysis with recombinant tissue plasminogen activator within 6 h of acute ischaemic stroke (the third international stroke trial [IST-3]): a randomised controlled trial. <i>Lancet</i> , 2012 , 379, 2352-63	40	841
293	Pathology of lacunar ischemic stroke in humans--a systematic review. <i>Brain Pathology</i> , 2012 , 22, 583-91	6	103

292	Systematic review of perfusion imaging with computed tomography and magnetic resonance in acute ischemic stroke: heterogeneity of acquisition and postprocessing parameters: a translational medicine research collaboration multicentre acute stroke imaging study. <i>Stroke</i> , 2012 , 43, 563-6	6.7	51
291	Parallel perfusion imaging processing using GPGPU. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 1012-21	6.9	3
290	Thrombolysis in acute ischaemic stroke [Authors' reply]. <i>Lancet, The</i> , 2012 , 380, 1054-1055	4.0	1
289	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
288	Brain iron deposits are associated with general cognitive ability and cognitive aging. <i>Neurobiology of Aging</i> , 2012 , 33, 510-517.e2	5.6	88
287	¹¹ C hydroxysteroid dehydrogenase type 1, brain atrophy and cognitive decline. <i>Neurobiology of Aging</i> , 2012 , 33, 207.e1-8	5.6	18
286	A genome-wide search for genetic influences and biological pathways related to the brain's white matter integrity. <i>Neurobiology of Aging</i> , 2012 , 33, 1847.e1-14	5.6	35
285	Risk factors for intracranial hemorrhage in acute ischemic stroke patients treated with recombinant tissue plasminogen activator: a systematic review and meta-analysis of 55 studies. <i>Stroke</i> , 2012 , 43, 2904-9	6.7	198
284	Training the next generation of radiology researchers. Report on a joint meeting of the Royal College of Radiologists and the Wellcome Trust and an overview of College strategies in developing radiology research. <i>Clinical Radiology</i> , 2012 , 67, 411-6	2.9	8
283	Brain-wide white matter tract integrity is associated with information processing speed and general intelligence. <i>Molecular Psychiatry</i> , 2012 , 17, 955	15.1	21
282	A systematic review of the utility of 1.5 versus 3 Tesla magnetic resonance brain imaging in clinical practice and research. <i>European Radiology</i> , 2012 , 22, 2295-303	8	57
281	Identification of mineral deposits in the brain on radiological images: a systematic review. <i>European Radiology</i> , 2012 , 22, 2371-81	8	49
280	Neuroprotective lifestyles and the aging brain: activity, atrophy, and white matter integrity. <i>Neurology</i> , 2012 , 79, 1802-8	6.5	138
279	Medical image analysis methods in MR/CT-imaged acute-subacute ischemic stroke lesion: Segmentation, prediction and insights into dynamic evolution simulation models. A critical appraisal. <i>NeuroImage: Clinical</i> , 2012 , 1, 164-78	5.3	86
278	Correlation of levels of neuronal and glial markers with radiological measures of infarct volume in ischaemic stroke: a systematic review. <i>Cerebrovascular Diseases</i> , 2012 , 33, 47-54	3.2	58
277	Acute symptomatic hypoglycaemia mimicking ischaemic stroke on imaging: a systemic review. <i>BMC Neurology</i> , 2012 , 12, 139	3.1	30
276	Temporal profile of body temperature in acute ischemic stroke: relation to stroke severity and outcome. <i>BMC Neurology</i> , 2012 , 12, 123	3.1	24
275	Brain white matter tract integrity as a neural foundation for general intelligence. <i>Molecular Psychiatry</i> , 2012 , 17, 1026-30	15.1	219

274	A grid overlay framework for analysis of medical images and its application to the measurement of stroke lesions. <i>European Radiology</i> , 2012 , 22, 625-32	8	2
273	Do brain image databanks support understanding of normal ageing brain structure? A systematic review. <i>European Radiology</i> , 2012 , 22, 1385-94	8	10
272	Do acute phase markers explain body temperature and brain temperature after ischemic stroke?. <i>Neurology</i> , 2012 , 79, 152-8	6.5	12
271	Management of incidental findings during imaging research in "healthy" volunteers: current UK practice. <i>British Journal of Radiology</i> , 2012 , 85, 11-21	3.4	34
270	The use of blood biomarkers to predict poor outcome after acute transient ischemic attack or ischemic stroke. <i>Stroke</i> , 2012 , 43, 86-91	6.7	97
269	Computed tomography perfusion imaging denoising using gaussian process regression. <i>Physics in Medicine and Biology</i> , 2012 , 57, N183-98	3.8	35
268	How much do focal infarcts distort white matter lesions and global cerebral atrophy measures?. <i>Cerebrovascular Diseases</i> , 2012 , 34, 336-42	3.2	25
267	006 Derivation and evaluation of thresholds for tissue at risk in stroke using CT perfusion. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012 , 83, e1.167-e1	5.5	
266	Lack of association of white matter lesions with ipsilateral carotid artery stenosis. <i>Cerebrovascular Diseases</i> , 2012 , 33, 378-84	3.2	51
265	Cavitation of deep lacunar infarcts in patients with first-ever lacunar stroke: a 2-year follow-up study with MR. <i>Stroke</i> , 2012 , 43, 2245-7	6.7	31
264	Design and validation of a novel method to measure cross-sectional area of neck muscles included during routine MR brain volume imaging. <i>PLoS ONE</i> , 2012 , 7, e34444	3.7	16
263	Color Fusion of Magnetic Resonance Images Improves Intracranial Volume Measurement in Studies of Aging. <i>Open Journal of Radiology</i> , 2012 , 02, 1-9	0.2	14
262	Update on the third international stroke trial (IST-3) of thrombolysis for acute ischaemic stroke and baseline features of the 3035 patients recruited. <i>Trials</i> , 2011 , 12, 252	2.8	31
261	Blood biomarkers for the diagnosis of acute cerebrovascular diseases: a prospective cohort study. <i>Cerebrovascular Diseases</i> , 2011 , 32, 141-7	3.2	35
260	Differing risk factors and outcomes in ischemic stroke subtypes: focus on lacunar stroke. <i>Future Neurology</i> , 2011 , 6, 201-221	1.5	5
259	MRI is a sensitive marker of subtle white matter pathology in hypoperfused mice. <i>Neurobiology of Aging</i> , 2011 , 32, 2325.e1-6	5.6	44
258	Hydrogel-coated coils versus bare platinum coils for the endovascular treatment of intracranial aneurysms (HELPS): a randomised controlled trial. <i>Lancet, The</i> , 2011 , 377, 1655-62	4.0	220
257	"Can it read my mind?" - What do the public and experts think of the current (mis)uses of neuroimaging?. <i>PLoS ONE</i> , 2011 , 6, e25829	3.7	20

256	The brain, the science and the media. The legal, corporate, social and security implications of neuroimaging and the impact of media coverage. <i>EMBO Reports</i> , 2011 , 12, 630-6	6.5	23
255	Cerebral small vessel endothelial structural changes predate hypertension in stroke-prone spontaneously hypertensive rats: a blinded, controlled immunohistochemical study of 5- to 21-week-old rats. <i>Neuropathology and Applied Neurobiology</i> , 2011 , 37, 711-26	5.2	51
254	Is the spontaneously hypertensive stroke prone rat a pertinent model of sub cortical ischemic stroke? A systematic review. <i>International Journal of Stroke</i> , 2011 , 6, 434-44	6.3	71
253	Brain aging, cognition in youth and old age and vascular disease in the Lothian Birth Cohort 1936: rationale, design and methodology of the imaging protocol. <i>International Journal of Stroke</i> , 2011 , 6, 547-59	6.3	150
252	Reliability of two techniques for assessing cerebral iron deposits with structural magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 54-61	5.6	12
251	Computed tomography and magnetic resonance perfusion imaging in ischemic stroke: definitions and thresholds. <i>Annals of Neurology</i> , 2011 , 70, 384-401	9.4	133
250	A Parallel Deconvolution Algorithm in Perfusion Imaging 2011 ,		2
249	Use of dynamic contrast-enhanced MRI to measure subtle blood-brain barrier abnormalities. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 305-14	3.3	49
248	Association of circulating inflammatory markers with recurrent vascular events after stroke: a prospective cohort study. <i>Stroke</i> , 2011 , 42, 10-6	6.7	60
247	Post-mortem MR brain imaging comparison with macro- and histopathology: useful, important and underused. <i>Cerebrovascular Diseases</i> , 2011 , 31, 518-9	3.2	11
246	Clinical scores for the identification of stroke and transient ischaemic attack in the emergency department: a cross-sectional study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 1006-10	5.5	48
245	Little association between intracranial arterial stenosis and lacunar stroke. <i>Cerebrovascular Diseases</i> , 2011 , 31, 12-8	3.2	32
244	Characteristics of patients with minor ischaemic strokes and negative MRI: a cross-sectional study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 540-2	5.5	47
243	Wide variation in definition, detection, and description of lacunar lesions on imaging. <i>Stroke</i> , 2011 , 42, 359-66	6.7	75
242	Thrombolysis in elderly people. Observational data insufficient to change treatment. <i>BMJ, The</i> , 2011 , 342, d306; author reply d312	5.9	7
241	'Where are we now with intravenous thrombolysis for acute ischaemic stroke?'. <i>International Journal of Stroke</i> , 2010 , 5, 381-2	6.3	3
240	Retinal arteriolar geometry is associated with cerebral white matter hyperintensities on magnetic resonance imaging. <i>International Journal of Stroke</i> , 2010 , 5, 434-9	6.3	23
239	Quantitative and qualitative measures of hippocampal atrophy are not correlated in healthy older men. <i>Journal of Neuroimaging</i> , 2010 , 20, 157-62	2.8	9

238	Neuroimaging in acute ischaemic stroke: insights into unanswered questions of pathophysiology. <i>Journal of Internal Medicine</i> , 2010 , 267, 172-90	10.8	37
237	The molecular basis of thrombolysis and its clinical application in stroke. <i>Journal of Internal Medicine</i> , 2010 , 267, 191-208	10.8	75
236	A large web-based observer reliability study of early ischaemic signs on computed tomography. The Acute Cerebral CT Evaluation of Stroke Study (ACCESS). <i>PLoS ONE</i> , 2010 , 5, e15757	3.7	34
235	Associations of clinical stroke misclassification ('clinical-imaging dissociation') in acute ischemic stroke. <i>Cerebrovascular Diseases</i> , 2010 , 29, 395-402	3.2	52
234	A general factor of brain white matter integrity predicts information processing speed in healthy older people. <i>Journal of Neuroscience</i> , 2010 , 30, 7569-74	6.6	236
233	PAW18 Blood markers and the diagnosis of stroke or transient ischaemic attack in the emergency department: a prospective cohort study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, e28-e29	5.5	2
232	Fractal analysis of retinal vessels suggests that a distinct vasculopathy causes lacunar stroke. <i>Neurology</i> , 2010 , 74, 1102-7	6.5	121
231	MR diffusion and perfusion parameters: relationship to metabolites in acute ischaemic stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 185-91	5.5	23
230	Thrombolysis for Acute Ischemic Stroke. <i>Stroke</i> , 2010 , 41,	6.7	3
229	Incidental findings found in "healthy" volunteers during imaging performed for research: current legal and ethical implications. <i>British Journal of Radiology</i> , 2010 , 83, 456-65	3.4	55
228	Brain choline concentration. Early quantitative marker of ischemia and infarct expansion?. <i>Neurology</i> , 2010 , 75, 850-6	6.5	20
227	POS11 Blood markers and poor outcome after acute cerebrovascular disease: a prospective cohort study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, e70-e70	5.5	6
226	Differing risk factor profiles of ischemic stroke subtypes: evidence for a distinct lacunar arteriopathy?. <i>Stroke</i> , 2010 , 41, 624-9	6.7	94
225	Counting cavitating lacunes underestimates the burden of lacunar infarction. <i>Stroke</i> , 2010 , 41, 267-72	6.7	91
224	A systematic review of dynamic cerebral and peripheral endothelial function in lacunar stroke versus controls. <i>Stroke</i> , 2010 , 41, e434-42	6.7	87
223	Carotid intima-media thickness and cerebrovascular disease in community-dwelling older people without stroke. <i>Stroke</i> , 2010 , 41, 2083-6	6.7	9
222	Differential associations of cortical and subcortical cerebral atrophy with retinal vascular signs in patients with acute stroke. <i>Stroke</i> , 2010 , 41, 2143-50	6.7	29
221	Quantifying the effects of normal ageing on white matter structure using unsupervised tract shape modelling. <i>NeuroImage</i> , 2010 , 51, 1-10	7.9	47

220	Blood-brain barrier and cerebral small vessel disease. <i>Journal of the Neurological Sciences</i> , 2010 , 299, 66-71	3.2	129
219	Functional Magnetic Resonance Imaging (fMRI) reproducibility and variance components across visits and scanning sites with a finger tapping task. <i>NeuroImage</i> , 2010 , 49, 552-60	7.9	100
218	Enlarged perivascular spaces on MRI are a feature of cerebral small vessel disease. <i>Stroke</i> , 2010 , 41, 450-47	4.7	422
217	MRI Versus CT for Detection of Acute Vascular Lesions in Patients Presenting With Stroke Symptoms. <i>Stroke</i> , 2010 , 41,	6.7	8
216	White matter microstructural abnormalities in euthymic bipolar disorder. <i>British Journal of Psychiatry</i> , 2010 , 196, 52-8	5.4	66
215	New multispectral MRI data fusion technique for white matter lesion segmentation: method and comparison with thresholding in FLAIR images. <i>European Radiology</i> , 2010 , 20, 1684-91	8	115
214	An open source toolkit for medical imaging de-identification. <i>European Radiology</i> , 2010 , 20, 1896-904	8	34
213	White matter integrity in the splenium of the corpus callosum is related to successful cognitive aging and partly mediates the protective effect of an ancestral polymorphism in ADRB2. <i>Behavior Genetics</i> , 2010 , 40, 146-56	3.2	31
212	Between- and within-scanner variability in the CaliBrain study n-back cognitive task. <i>Psychiatry Research - Neuroimaging</i> , 2010 , 184, 86-95	2.9	21
211	Magnetic resonance imaging versus computed tomography for detection of acute vascular lesions in patients presenting with stroke symptoms. <i>The Cochrane Library</i> , 2009 , CD007424	5.2	62
210	Carotid artery stenosis: accuracy of noninvasive tests--individual patient data meta-analysis. <i>Radiology</i> , 2009 , 251, 493-502	20.5	75
209	Associations between diffusion and perfusion parameters, N-acetyl aspartate, and lactate in acute ischemic stroke. <i>Stroke</i> , 2009 , 40, 767-72	6.7	27
208	Birth parameters are associated with late-life white matter integrity in community-dwelling older people. <i>Stroke</i> , 2009 , 40, 1225-8	6.7	12
207	Retinopathy in ischemic stroke subtypes. <i>Stroke</i> , 2009 , 40, 389-93	6.7	13
206	Differences between ischemic stroke subtypes in vascular outcomes support a distinct lacunar ischemic stroke arteriopathy: a prospective, hospital-based study. <i>Stroke</i> , 2009 , 40, 3679-84	6.7	49
205	Differences in retinal vessels support a distinct vasculopathy causing lacunar stroke. <i>Neurology</i> , 2009 , 72, 1773-8	6.5	43
204	Incidental findings on brain magnetic resonance imaging: systematic review and meta-analysis. <i>BMJ, The</i> , 2009 , 339, b3016	5.9	480
203	Should more patients with acute ischaemic stroke receive thrombolytic treatment?. <i>BMJ, The</i> , 2009 , 339, b4584	5.9	22

202	Higher systolic blood pressure is associated with increased water diffusivity in normal-appearing white matter. <i>Stroke</i> , 2009 , 40, 3869-71	6.7	49
201	improving interrater agreement about brain microbleeds: development of the Brain Observer MicroBleed Scale (BOMBS). <i>Stroke</i> , 2009 , 40, 94-9	6.7	252
200	Retinal microvascular abnormalities and stroke: a systematic review. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 158-65	5.5	67
199	Prognostic significance of growth kinetics in newly diagnosed glioblastomas revealed by combining serial imaging with a novel biomathematical model. <i>Cancer Research</i> , 2009 , 69, 9133-40	10.1	161
198	Inflammatory markers and poor outcome after stroke: a prospective cohort study and systematic review of interleukin-6. <i>PLoS Medicine</i> , 2009 , 6, e1000145	11.6	186
197	Blood-brain barrier permeability in Alzheimer's disease: a case-control MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2009 , 171, 232-41	2.9	127
196	Retinal microvasculature in acute lacunar stroke: a cross-sectional study. <i>Lancet Neurology, The</i> , 2009 , 8, 628-34	24.1	123
195	Stroke treatment with alteplase given 3.0-4.5 h after onset of acute ischaemic stroke (ECASS III): additional outcomes and subgroup analysis of a randomised controlled trial. <i>Lancet Neurology, The</i> , 2009 , 8, 1095-102	24.1	250
194	Lacunar stroke is associated with diffuse blood-brain barrier dysfunction. <i>Annals of Neurology</i> , 2009 , 65, 194-202	9.4	243
193	A practical assessment of magnetic resonance diffusion-perfusion mismatch in acute stroke: observer variation and outcome. <i>Journal of Neurology</i> , 2009 , 256, 1832-8	5.5	8
192	When are summary ROC curves appropriate for diagnostic meta-analyses?. <i>Statistics in Medicine</i> , 2009 , 28, 2653-68	2.3	58
191	Maximum (prior) brain size, not atrophy, correlates with cognition in community-dwelling older people: a cross-sectional neuroimaging study. <i>BMC Geriatrics</i> , 2009 , 9, 12	4.1	16
190	Prospective multi-centre Voxel Based Morphometry study employing scanner specific segmentations: procedure development using CaliBrain structural MRI data. <i>BMC Medical Imaging</i> , 2009 , 9, 8	2.9	35
189	Development and initial testing of normal reference MR images for the brain at ages 65-70 and 75-80 years. <i>European Radiology</i> , 2009 , 19, 177-83	8	77
188	Reply to Does assessing brain atrophy on an individual patient basis need correction to peak brain volume or a surrogate? <i>European Radiology</i> , 2009 , 19, 1026-1026	8	
187	Potential animal models of lacunar stroke: a systematic review. <i>Stroke</i> , 2009 , 40, e451-8	6.7	97
186	Diffusion tensor and magnetization transfer MRI measurements of periventricular white matter hyperintensities in old age. <i>Neurobiology of Aging</i> , 2009 , 30, 125-36	5.6	63
185	A systematic review of brain metabolite changes, measured with 1H magnetic resonance spectroscopy, in healthy aging. <i>Neurobiology of Aging</i> , 2009 , 30, 353-63	5.6	134

184	Blood-brain barrier: ageing and microvascular disease--systematic review and meta-analysis. <i>Neurobiology of Aging</i> , 2009 , 30, 337-52	5.6	637
183	Thrombolysis for acute ischaemic stroke. <i>Cochrane Database of Systematic Reviews</i> , 2009 , CD000213		175
182	Hyperdense middle cerebral artery sign on admission CT scan--prognostic significance for ischaemic stroke patients treated with intravenous thrombolysis in the safe implementation of thrombolysis in Stroke International Stroke Thrombolysis Register. <i>Cerebrovascular Diseases</i> , 2009 , 27, 51-9	3.2	84
181	Disappearing hyperdense middle cerebral artery sign in ischaemic stroke patients treated with intravenous thrombolysis: clinical course and prognostic significance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 273-8	5.5	53
180	Carotid artery imaging for secondary stroke prevention: both imaging modality and rapid access to imaging are important. <i>Stroke</i> , 2009 , 40, 3511-7	6.7	31
179	Is lowering blood pressure hazardous in patients with significant ipsilateral carotid stenosis and acute ischaemic stroke? Interim assessment in the 'Efficacy of Nitric Oxide in Stroke' trial. <i>Blood Pressure Monitoring</i> , 2009 , 14, 20-5	1.3	18
178	Oxfordshire community stroke project clinical stroke syndrome and appearances of tissue and vascular lesions on pretreatment ct in hyperacute ischemic stroke among the first 510 patients in the Third International Stroke Trial (IST-3). <i>Stroke</i> , 2009 , 40, 743-8	6.7	28
177	Early brain temperature elevation and anaerobic metabolism in human acute ischaemic stroke. <i>Brain</i> , 2009 , 132, 955-64	11.2	40
176	The Development of Data Infrastructures for eHealth: A Socio-Technical Perspective. <i>Journal of the Association for Information Systems</i> , 2009 , 10, 415-429	1.8	39
175	EPITHET--where next?. <i>Lancet Neurology, The</i> , 2008 , 7, 570-1; author reply 571-3	24.1	6
174	Availability of CT and MR for assessing patients with acute stroke. <i>Cerebrovascular Diseases</i> , 2008 , 25, 375-7	3.2	23
173	Changes in background blood-brain barrier integrity between lacunar and cortical ischemic stroke subtypes. <i>Stroke</i> , 2008 , 39, 1327-32	6.7	69
172	Choline and creatine are not reliable denominators for calculating metabolite ratios in acute ischemic stroke. <i>Stroke</i> , 2008 , 39, 2467-9	6.7	29
171	What is a lacune?. <i>Stroke</i> , 2008 , 39, 2921-2	6.7	36
170	Magnetic resonance imaging versus computed tomography for detection of acute vascular lesions in patients presenting with stroke symptoms 2008 ,		8
169	Ischemic Stroke Serious, but not Hopeless. <i>Klinische Neuroradiologie</i> , 2008 , 18, 37-44		0
168	Third international stroke trial (IST-3) of thrombolysis for acute ischaemic stroke. <i>Trials</i> , 2008 , 9, 37	2.8	72
167	Velocity of radial expansion of contrast-enhancing gliomas and the effectiveness of radiotherapy in individual patients: a proof of principle. <i>Clinical Oncology</i> , 2008 , 20, 301-8	2.8	51

166	Carotid imaging for secondary stroke prevention in routine practice. <i>International Journal of Stroke</i> , 2008 , 3, 20-32	6.3	12
165	Haemorrhagic transformation of a recent silent cerebral infarct during thrombolytic stroke treatment. <i>BMJ Case Reports</i> , 2008 , 2008, bcr0620080266	0.9	2
164	The syndrome of transient epileptic amnesia. <i>Annals of Neurology</i> , 2007 , 61, 587-98	9.4	171
163	Reproducibility of GABA measurements using 2D J-resolved magnetic resonance spectroscopy. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 634-40	3.3	16
162	A prospective, multicentre study to investigate the efficacy, safety and tolerability of octreotide LAR (long-acting repeatable octreotide) in the primary therapy of patients with acromegaly. <i>Clinical Endocrinology</i> , 2007 , 66, 859-68	3.4	175
161	The NeuroGrid stroke exemplar clinical trial protocol. <i>International Journal of Stroke</i> , 2007 , 2, 63-9	6.3	12
160	Abnormal breathing patterns in stroke: relationship with location of acute stroke lesion and prior cerebrovascular disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007 , 78, 277-9	5.5	32
159	Comparison of 10 different magnetic resonance perfusion imaging processing methods in acute ischemic stroke: effect on lesion size, proportion of patients with diffusion/perfusion mismatch, clinical scores, and radiologic outcomes. <i>Stroke</i> , 2007 , 38, 3158-64	6.7	133
158	Should all patients with suspected stroke have brain MRI instead of CT?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 362-3		3
157	Factors influencing the detection of early CT signs of cerebral ischemia: an internet-based, international multiobserver study. <i>Stroke</i> , 2007 , 38, 1250-6	6.7	49
156	Spontaneous brain microbleeds: systematic review, subgroup analyses and standards for study design and reporting. <i>Brain</i> , 2007 , 130, 1988-2003	11.2	527
155	Acute ischemic stroke lesion measurement on diffusion-weighted imaging--important considerations in designing acute stroke trials with magnetic resonance imaging. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2007 , 16, 64-70	2.8	30
154	Skull size and intelligence, and King Robert Bruce's IQ. <i>Intelligence</i> , 2007 , 35, 519-525	3	7
153	Fractal analysis of the retinal vascular network in fundus images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 6456-9		34
152	Measurement of regional brain temperature using proton spectroscopic imaging: validation and application to acute ischemic stroke. <i>Magnetic Resonance Imaging</i> , 2006 , 24, 699-706	3.3	56
151	Geographical access to imaging facilities for stroke patients in Scotland. <i>Health and Place</i> , 2006 , 12, 617-30	3.6	5
150	DSC perfusion MRI-Quantification and reduction of systematic errors arising in areas of reduced cerebral blood flow. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1342-9	4.4	21
149	Measurement of brain temperature with magnetic resonance spectroscopy in acute ischemic stroke. <i>Annals of Neurology</i> , 2006 , 60, 438-46	9.4	72

148	Do acute diffusion- and perfusion-weighted MRI lesions identify final infarct volume in ischemic stroke?. <i>Stroke</i> , 2006 , 37, 98-104	6.7	125
147	Advances in imaging 2005. <i>Stroke</i> , 2006 , 37, 297-8	6.7	6
146	Distinguishing between stroke and mimic at the bedside: the brain attack study. <i>Stroke</i> , 2006 , 37, 769-756.7		313
145	Interobserver agreement for the bedside clinical assessment of suspected stroke. <i>Stroke</i> , 2006 , 37, 776-807		46
144	Cerebral microbleeds are associated with lacunar stroke defined clinically and radiologically, independently of white matter lesions. <i>Stroke</i> , 2006 , 37, 2633-6	6.7	96
143	Smaller left anterior cingulate cortex volumes are associated with impaired hypothalamic-pituitary-adrenal axis regulation in healthy elderly men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 1591-4	5.6	83
142	No evidence that severity of stroke in internal carotid occlusion is related to collateral arteries. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006 , 77, 729-33	5.5	19
141	Hypoxaemia in acute stroke is frequent and worsens outcome. <i>Cerebrovascular Diseases</i> , 2006 , 21, 166-73.2		65
140	Increased oxygen extraction demonstrated on gradient echo (T2*) imaging in a patient with acute ischaemic stroke. <i>Cerebrovascular Diseases</i> , 2006 , 22, 456-8	3.2	12
139	White matter integrity and cognition in childhood and old age. <i>Neurology</i> , 2006 , 66, 505-12	6.5	181
138	Transdermal glyceryl trinitrate lowers blood pressure and maintains cerebral blood flow in recent stroke. <i>Hypertension</i> , 2006 , 47, 1209-15	8.5	84
137	MR diffusion-weighted imaging and outcome prediction after ischemic stroke. <i>Neurology</i> , 2006 , 66, 1159-63		98
136	Central periodic breathing observed on hospital admission is associated with an adverse prognosis in conscious acute stroke patients. <i>Cerebrovascular Diseases</i> , 2006 , 21, 340-7	3.2	34
135	Non-invasive imaging compared with intra-arterial angiography in the diagnosis of symptomatic carotid stenosis: a meta-analysis. <i>Lancet, The</i> , 2006 , 367, 1503-12	4.0	256
134	Prosopagnosia following nonconvulsive status epilepticus associated with a left fusiform gyrus malformation. <i>Epilepsy and Behavior</i> , 2006 , 9, 197-203	3.2	19
133	Persistent infarct hyperintensity on diffusion-weighted imaging late after stroke indicates heterogeneous, delayed, infarct evolution. <i>Stroke</i> , 2006 , 37, 1418-23	6.7	33
132	Uncertainties about thrombolysis for stroke should be addressed with large-scale randomized trials. <i>Stroke</i> , 2006 , 37, 2662; author reply 2664-5	6.7	0
131	Third international stroke trial. <i>International Journal of Stroke</i> , 2006 , 1, 172-6	6.3	47

130	A pilot study of brain tumour growth between radiotherapy planning and delivery. <i>Clinical Oncology</i> , 2006 , 18, 104-8	2.8	22
129	Interobserver agreement in magnetic resonance brain and neck imaging 2006 , 16, 47-51		3
128	Effects of dexamethasone on cerebral perfusion and water diffusion in patients with high-grade glioma. <i>American Journal of Neuroradiology</i> , 2006 , 27, 402-8	4.4	64
127	Accurate, practical and cost-effective assessment of carotid stenosis in the UK. <i>Health Technology Assessment</i> , 2006 , 10, iii-iv, ix-x, 1-182	4.4	94
126	The familial risk of subarachnoid haemorrhage. <i>Brain</i> , 2005 , 128, 1677-85	11.2	57
125	Carotid stenosis measurement on colour Doppler ultrasound: agreement of ECST, NASCET and CCA methods applied to ultrasound with intra-arterial angiographic stenosis measurement. <i>European Journal of Radiology</i> , 2005 , 56, 205-11	4.7	32
124	Intracranial Area: A Validated Method for Estimating Intracranial Volume. <i>Journal of Neuroimaging</i> , 2005 , 15, 76-78	2.8	57
123	Alteplase and ischaemic stroke: have new reviews of old data helped?. <i>Lancet Neurology</i> , 2005 , 4, 249-53	24.1	11
122	Plasma cortisol levels, brain volumes and cognition in healthy elderly men. <i>Psychoneuroendocrinology</i> , 2005 , 30, 505-15	5	96
121	What is the best imaging strategy for acute stroke?. <i>International Journal of Technology Assessment in Health Care</i> , 2005 , 21, 148-148	1.8	
120	Episodic and semantic memory tasks activate different brain regions in Alzheimer disease. <i>Neurology</i> , 2005 , 65, 266-9	6.5	22
119	Real-time functional magnetic resonance imaging (rt-fMRI) in patients with brain tumours: preliminary findings using motor and language paradigms. <i>British Journal of Neurosurgery</i> , 2005 , 19, 25-32		27
118	Possible structural abnormality of the brainstem in unipolar depressive illness: a transcranial ultrasound and diffusion tensor magnetic resonance imaging study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005 , 76, 1510-5	5.5	28
117	Magnetic resonance brain imaging in patients with acute stroke: feasibility and patient related difficulties. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005 , 76, 1525-7	5.5	68
116	Fibrinogen-Depleting Agents for Acute Ischemic Stroke. <i>Stroke</i> , 2005 , 36, 173-174	6.7	4
115	Early signs of brain infarction at CT: observer reliability and outcome after thrombolytic treatment--systematic review. <i>Radiology</i> , 2005 , 235, 444-53	20.5	204
114	Influence of an early-onset age of type 1 diabetes on cerebral structure and cognitive function. <i>Diabetes Care</i> , 2005 , 28, 1431-7	14.6	177
113	What has diffusion imaging in animals told us about diffusion imaging in patients with ischaemic stroke?. <i>Cerebrovascular Diseases</i> , 2005 , 19, 328-36	3.2	36

112	Cognitive correlates of cerebral white matter lesions and water diffusion tensor parameters in community-dwelling older people. <i>Cerebrovascular Diseases</i> , 2005 , 20, 310-8	3.2	78
111	Intracranial area: a validated method for estimating intracranial volume 2005 , 15, 76-8		35
110	Repeatability of motor and working-memory tasks in healthy older volunteers: assessment at functional MR imaging. <i>Radiology</i> , 2004 , 233, 868-77	20.5	40
109	The impact of neuroimaging on clinical decisions in minor stroke. <i>Age and Ageing</i> , 2004 , 33, 312-4	3	2
108	Changes in arterial oxygen saturation before and after enteral feeding tube insertion in dysphagic stroke patients. <i>Age and Ageing</i> , 2004 , 33, 42-5	3	6
107	Temporal evolution of water diffusion parameters is different in grey and white matter in human ischaemic stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1714-8	5.5	63
106	Effects of dexamethasone on peritumoural oedematous brain: a DT-MRI study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1632-5	5.5	64
105	Enlarged perivascular spaces are associated with cognitive function in healthy elderly men. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1519-23	5.5	226
104	Are multiple acute small subcortical infarctions caused by embolic mechanisms?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1416-20	5.5	38
103	Thrombolysis for Acute Ischemic Stroke. <i>Stroke</i> , 2004 , 35, 2914-2915	6.7	28
102	In Which Patients is Diffusion-Weighted Magnetic Resonance Imaging Most Useful in Routine Stroke Care?. <i>Journal of Neuroimaging</i> , 2004 , 14, 118-122	2.8	19
101	White matter hyperintensities and rating scales-observer reliability varies with lesion load. <i>Journal of Neurology</i> , 2004 , 251, 584-90	5.5	48
100	Fogging on T2-weighted MR after acute ischaemic stroke: how often might this occur and what are the implications?. <i>Neuroradiology</i> , 2004 , 46, 635-41	3.2	32
99	Immediate computed tomography scanning of acute stroke is cost-effective and improves quality of life. <i>Stroke</i> , 2004 , 35, 2477-83	6.7	102
98	Size of the neocerebellar vermis is associated with cognition in healthy elderly men. <i>Brain and Cognition</i> , 2004 , 56, 344-8	2.7	36
97	Long-term visibility of primary intracerebral hemorrhage on magnetic resonance imaging. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2004 , 13, 104-8	2.8	8
96	Frequency and risk factors for spontaneous hemorrhagic transformation of cerebral infarction. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2004 , 13, 235-46	2.8	74
95	The functional anatomy of inspection time: an event-related fMRI study. <i>NeuroImage</i> , 2004 , 22, 1466-79	7.9	129

94	Cost-effectiveness of thrombolysis with recombinant tissue plasminogen activator for acute ischemic stroke assessed by a model based on UK NHS costs. <i>Stroke</i> , 2004 , 35, 1490-7	6.7	101
93	What is the best imaging strategy for acute stroke?. <i>Health Technology Assessment</i> , 2004 , 8, iii, ix-x, 1-180	4.4	62
92	In which patients is diffusion-weighted magnetic resonance imaging most useful in routine stroke care? 2004 , 14, 118-22		6
91	Visible infarction on computed tomography is an independent predictor of poor functional outcome after stroke, and not of haemorrhagic transformation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003 , 74, 452-8	5.5	18
90	Childhood and current cognitive function in healthy 80-year-olds: a DT-MRI study. <i>NeuroReport</i> , 2003 , 14, 345-9	1.7	39
89	Thrombolytic therapy with recombinant tissue plasminogen activator for acute ischemic stroke: where do we go from here? A cumulative meta-analysis. <i>Stroke</i> , 2003 , 34, 1437-42	6.7	99
88	Elevated Glucocorticoid Levels Are Associated with Temporal Lobe Atrophy and Impaired Cognitive Function in Healthy Elderly Men. <i>Clinical Science</i> , 2003 , 104, 39P-39P		
87	Induced hyperammonemia alters neuropsychology, brain MR spectroscopy and magnetization transfer in cirrhosis. <i>Hepatology</i> , 2003 , 37, 931-9	11.2	79
86	The non-invasive detection of intracranial aneurysms: are neuroradiologists any better than other observers?. <i>European Radiology</i> , 2003 , 13, 389-96	8	42
85	Apparent diffusion coefficient (ADC) measurements may be more reliable and reproducible than lesion volume on diffusion-weighted images from patients with acute ischaemic stroke-implications for study design. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 617-24	3.3	18
84	Unruptured intracranial aneurysms: prospective data have arrived. <i>Lancet, The</i> , 2003 , 362, 90-1	40	25
83	Stroke. <i>Lancet, The</i> , 2003 , 362, 1211-24	40	332
82	Is breakdown of the blood-brain barrier responsible for lacunar stroke, leukoaraiosis, and dementia?. <i>Stroke</i> , 2003 , 34, 806-12	6.7	475
81	The impact of delays in computed tomography of the brain on the accuracy of diagnosis and subsequent management in patients with minor stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003 , 74, 77-81	5.5	35
80	Cognitive ability and brain structure in type 1 diabetes: relation to microangiopathy and preceding severe hypoglycemia. <i>Diabetes</i> , 2003 , 52, 149-56	0.9	232
79	Diffuse brain oedema in idiopathic intracranial hypertension: a quantitative magnetic resonance imaging study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003 , 74, 1693-6	5.5	31
78	Interobserver variability of magnetic resonance angiography. <i>Neuroradiology</i> , 2002 , 44, 870-870	3.2	
77	Traumatic brain injury and subarachnoid hemorrhage: in vivo occult pathology demonstrated by magnetic resonance spectroscopy may not be "ischaemic". A primary study and review of the literature. <i>Acta Neurochirurgica</i> , 2002 , 144, 853-62; discussion 862	3	50

76	Stroke epidemiology studies have underestimated the frequency of intracerebral haemorrhage. A systematic review of imaging in epidemiological studies. <i>Journal of Neurology</i> , 2002 , 249, 1226-31	5.5	27
75	Severe ipsilateral carotid stenosis and middle cerebral artery disease in lacunar ischaemic stroke: innocent bystanders?. <i>Journal of Neurology</i> , 2002 , 249, 266-71	5.5	48
74	Which Doppler velocity is best for assessing suitability for carotid endarterectomy?. <i>European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology</i> , 2002 , 15, 9-20		14
73	Relationship between absolute mean cerebral transit time and absolute mean flow velocity on transcranial Doppler ultrasound after ischemic stroke. <i>Journal of Neuroimaging</i> , 2002 , 12, 104-11	2.8	8
72	Interobserver variability of magnetic resonance angiography in the diagnosis of carotid stenosis--effect of observer experience. <i>Neuroradiology</i> , 2002 , 44, 126-32	3.2	14
71	Primary medical therapy for acromegaly: an open, prospective, multicenter study of the effects of subcutaneous and intramuscular slow-release octreotide on growth hormone, insulin-like growth factor-I, and tumor size. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 4554-63	5.6	231
70	Intracranial capacity and brain volumes are associated with cognition in healthy elderly men. <i>Neurology</i> , 2002 , 59, 169-74	6.5	161
69	Extensive haemorrhagic transformation of infarct: might it be an important cause of primary intracerebral haemorrhage?. <i>Age and Ageing</i> , 2002 , 31, 429-33	3	7
68	Which CT features help predict outcome after head injury?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002 , 72, 188-92; discussion 151	5.5	89
67	CEREBROVASCULAR ULTRASOUND. <i>Brain</i> , 2002 , 125, 1226-1227	11.2	
66	Magnetic resonance spectroscopy and cognitive function in healthy elderly men. <i>Brain</i> , 2002 , 125, 2743-9	11.2	83
65	Antithrombotic therapy in patients with any form of intracranial haemorrhage: a systematic review of the available controlled studies. <i>Cerebrovascular Diseases</i> , 2002 , 14, 197-206	3.2	35
64	Outcome, observer reliability, and patient preferences if CTA, MRA, or Doppler ultrasound were used, individually or together, instead of digital subtraction angiography before carotid endarterectomy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002 , 73, 21-8	5.5	101
63	Is diffusion imaging appearance an independent predictor of outcome after ischemic stroke?. <i>Neurology</i> , 2002 , 59, 1381-7	6.5	64
62	Measurements of water diffusion and T1 values in peritumoural oedematous brain. <i>NeuroReport</i> , 2002 , 13, 1335-40	1.7	72
61	Comparison of risk factors in patients with transient and prolonged eye and brain ischemic syndromes. <i>Stroke</i> , 2002 , 33, 2383-90	6.7	47
60	Who writes guidelines, and who should?. <i>Clinical Radiology</i> , 2002 , 57, 891-7	2.9	2
59	Thrombolysis for acute ischemic stroke: still a treatment for the few by the few. <i>Western Journal of Medicine</i> , 2002 , 176, 198-9		20

58	Diffusion tensor MR imaging of high-grade cerebral gliomas. <i>American Journal of Neuroradiology</i> , 2002 , 23, 520-7	4.4	170
57	Thrombolysis for acute ischemic stroke: a consensus statement of the 3rd Karolinska Stroke Update, October 30-31, 2000. <i>Stroke</i> , 2001 , 32, 2717-8	6.7	22
56	Imaging appearance of the symptomatic perforating artery in patients with lacunar infarction: occlusion or other vascular pathology?. <i>Annals of Neurology</i> , 2001 , 50, 208-15	9.4	74
55	How does the degree of carotid stenosis affect the accuracy and interobserver variability of magnetic resonance angiography?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2001 , 71, 155-60	5.5	20
54	Patient positioning influences oxygen saturation in the acute phase of stroke. <i>Cerebrovascular Diseases</i> , 2001 , 12, 66-72	3.2	37
53	Radiology of stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2001 , 70 Suppl 1, 17-11	5.5	13
52	Prediction of outcome after stroke. <i>Lancet, The</i> , 2001 , 358, 1552-3; author reply 1553-4	4.0	4
51	Overview of Cochrane thrombolysis meta-analysis. <i>Neurology</i> , 2001 , 57, S69-76	6.5	47
50	Thrombolysis for acute ischaemic stroke. <i>Cochrane Database of Systematic Reviews</i> , 2000 , CD000213		163
49	Trials of thrombolysis in acute ischemic stroke: does the choice of primary outcome measure really matter?. <i>Stroke</i> , 2000 , 31, 1133-5	6.7	23
48	Systematic review of diffusion and perfusion imaging in acute ischemic stroke. <i>Stroke</i> , 2000 , 31, 2723-316.7		83
47	What pathological components indicate carotid atheroma activity and can these be identified reliably using ultrasound?. <i>European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology</i> , 2000 , 11, 77-86		39
46	How often is haemosiderin not visible on routine MRI following traumatic intracerebral haemorrhage?. <i>Neuroradiology</i> , 2000 , 42, 81-4	3.2	54
45	How well does the Oxfordshire community stroke project classification predict the site and size of the infarct on brain imaging?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2000 , 68, 558-62	5.5	101
44	The detection and management of unruptured intracranial aneurysms. <i>Brain</i> , 2000 , 123 (Pt 2), 205-21	11.2	410
43	Critical appraisal of the design and reporting of studies of imaging and measurement of carotid stenosis. <i>Stroke</i> , 2000 , 31, 1444-50	6.7	93
42	Small centrum ovale infarcts--a pathological study. <i>Cerebrovascular Diseases</i> , 1999 , 9, 82-90	3.2	43
41	Why do Italian stroke patients receive CT scans earlier than UK patients? International Stroke Trial Collaborators in Italy and the UK. <i>Postgraduate Medical Journal</i> , 1999 , 75, 18-21	2	1

40	Can stroke physicians and neuroradiologists identify signs of early cerebral infarction on CT?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1999 , 67, 651-3	5.5	100
39	The influence of baseline prognostic variables on outcome after thrombolysis. MAST-Italy Collaborative Group. <i>Journal of Neurology</i> , 1999 , 246, 1059-62	5.5	9
38	Diagnosis of hepatic encephalopathy: will in vivo proton MRS play a role?. <i>Hepatology</i> , 1999 , 29, 1605-7	11.2	9
37	Intracerebral haemorrhage and cerebral amyloid angiopathy: CT features with pathological correlation. <i>Clinical Radiology</i> , 1999 , 54, 422-9	2.9	37
36	Use of a neonatal blood pressure cuff to monitor blood pressure in the adult finger--comparison with a standard adult arm cuff. <i>Journal of Clinical Monitoring and Computing</i> , 1998 , 14, 233-8	2	6
35	Incomplete lacunar infarction (Type Ib lacunes). <i>Acta Neuropathologica</i> , 1998 , 96, 163-71	14.3	71
34	Does the size of intracranial aneurysms change with intracranial pressure? Observations based on color "power" transcranial Doppler ultrasound. <i>Journal of Neurosurgery</i> , 1998 , 88, 846-50	3.2	25
33	Is visible infarction on computed tomography associated with an adverse prognosis in acute ischemic stroke?. <i>Stroke</i> , 1998 , 29, 1315-9	6.7	66
32	Studies of acute ischemic stroke with proton magnetic resonance spectroscopy: relation between time from onset, neurological deficit, metabolite abnormalities in the infarct, blood flow, and clinical outcome. <i>Stroke</i> , 1998 , 29, 1618-24	6.7	90
31	Systematic review of evidence on thrombolytic therapy for acute ischaemic stroke. <i>Lancet, The</i> , 1997 , 350, 607-14	40	238
30	The validity of a simple clinical classification of acute ischaemic stroke. <i>Journal of Neurology</i> , 1996 , 243, 274-9	5.5	74
29	Use of color power transcranial Doppler sonography to monitor aneurysmal coiling. <i>American Journal of Neuroradiology</i> , 1996 , 17, 864-7	4.4	6
28	The place of thrombolysis in the management of cerebral embolism after heart valve replacement. <i>Journal of Heart Valve Disease</i> , 1994 , 3, 611-2		
27	Is routine computed tomography in strokes unnecessary?. <i>BMJ: British Medical Journal</i> , 1994 , 309, 1498-9		3
26	A simple practical classification of cerebral infarcts on CT and its interobserver reliability. <i>American Journal of Neuroradiology</i> , 1994 , 15, 1933-9	4.4	63
25	Interobserver reliability of a clinical classification of acute cerebral infarction. <i>Stroke</i> , 1993 , 24, 1801-4	6.7	120
24	Thrombolysis in acute ischemic stroke: does it work?. <i>Stroke</i> , 1992 , 23, 1826-39	6.7	151
23	Measurement of caudate nucleus area--a more accurate measurement for Huntington's disease?. <i>Neuroradiology</i> , 1991 , 33, 316-9	3.2	6

22	Case of the month. A rare diversion?. <i>British Journal of Radiology</i> , 1989 , 62, 759-60	3.4	
21	Triple phase bone scanning of an intraosseous ganglion: case report and discussion. <i>Clinical Nuclear Medicine</i> , 1988 , 13, 647-8	1.7	6
20	Sporadic small vessel disease: pathogenic aspects52-63		7
19	Impact of detecting potentially serious incidental findings during multi-modal imaging. <i>Wellcome Open Research</i> ,2, 114	4.8	13
18	Impact of detecting potentially serious incidental findings during multi-modal imaging. <i>Wellcome Open Research</i> ,2, 114	4.8	3
17	Real-world Independent Testing of e-ASPECTS Software (RITeS): statistical analysis plan. <i>AMRC Open Research</i> ,2, 20	1.3	1
16	Retinal microvasculature and cerebral small vessel disease in the Lothian Birth Cohort 1936 and Mild Stroke Study		1
15	Partial derivatives meta-analysis: pooled analyses when individual participant data cannot be shared		3
14	Age differences in brain white matter microstructure in UK Biobank (N = 3,513)		2
13	Do Candidate Genes Affect the Brain's White Matter Microstructure? Large-Scale Evaluation of 6,165 Diffusion MRI Scans		7
12	Birth weight is associated with brain tissue volumes seven decades later, but not with age-associated changes to brain structure		1
11	Associations between white matter hyperintensity burden, cerebral blood flow and transit time in small vessel disease: an updated meta-analysis		1
10	An epigenetic proxy of chronic inflammation outperforms serum levels as a biomarker of brain ageing		2
9	Brain peak width of skeletonised mean diffusivity (PSMD), processing speed, and other cognitive domains		1
8	The genetic architecture of the human cerebral cortex		12
7	Genetic Determinants of Cortical Structure (Thickness, Surface Area and Volumes) among Disease Free Adults in the CHARGE Consortium		7
6	Intracranial functional haemodynamic relationships in patients with cerebral small vessel disease		1
5	An epigenetic predictor of death captures multi-modal measures of brain health		8

4	DNA methylation and brain dysmaturation in preterm infants	1
3	Blood-based epigenome-wide analyses of cognitive abilities	2
2	Sex differences in Cerebral Small Vessel Disease: a systematic review and meta-analysis	2
1	Cohort profile for the STRatifying Resilience and Depression Longitudinally (STRADL) study: A depression-focused investigation of Generation Scotland, using detailed clinical, cognitive, and neuroimaging assessments. <i>Wellcome Open Research</i> ,4, 185	4.8 0