David Alexander Dickie

List of Publications by Year
in descending order

47 papers	1,924 citations	304368 22 h-index	276539 41 g-index
53 all docs	53 docs citations	53 times ranked	3793 citing authors

#	Article	IF	Citations
1	Contribution of white matter hyperintensities to ventricular enlargement in older adults. NeuroImage: Clinical, 2022, 34, 103019.	1.4	4
2	Brain imaging factors associated with progression of subcortical hyperintensities in CADASIL over 2â€year followâ€up. European Journal of Neurology, 2021, 28, 220-228.	1.7	5
3	Small vessel disease is associated with altered cerebrovascular pulsatility but not resting cerebral blood flow. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 85-99.	2.4	77
4	Cortical thickness, white matter hyperintensities, and cognition after stroke. International Journal of Stroke, 2020, 15, 46-54.	2.9	19
5	Intracranial hemodynamic relationships in patients with cerebral small vessel disease. Neurology, 2020, 94, e2258-e2269.	1.5	86
6	An Exploratory Study of Predictors of Response to Vagus Nerve Stimulation Paired with Upper-Limb Rehabilitation After Ischemic Stroke. Scientific Reports, 2019, 9, 15902.	1.6	11
7	Combining Neurovascular and Neurodegenerative Magnetic Resonance Imaging Measures in Stroke. Stroke, 2019, 50, 1136-1139.	1.0	6
8	Stroke aetiological classification reliability and effect on trial sample size: systematic review, meta-analysis and statistical modelling. Trials, 2019, 20, 107.	0.7	3
9	Study protocol for a pivotal randomised study assessing vagus nerve stimulation during rehabilitation for improved upper limb motor function after stroke. European Stroke Journal, 2019, 4, 363-377.	2.7	14
10	Investigating the Relationship between Cerebral Blood Flow and Cognitive Function in Hemodialysis Patients. Journal of the American Society of Nephrology: JASN, 2019, 30, 147-158.	3.0	120
11	The Whole Picture: From Isolated to Global MRI Measures of Neurovascular and Neurodegenerative Disease. Advances in Experimental Medicine and Biology, 2019, 1205, 25-53.	0.8	1
12	The brain health index: Towards a combined measure of neurovascular and neurodegenerative structural brain injury. International Journal of Stroke, 2018, 13, 849-856.	2.9	18
13	Widespread associations between trait conscientiousness and thickness of brain cortical regions. NeuroImage, 2018, 176, 22-28.	2.1	22
14	A large margin algorithm for automated segmentation of white matter hyperintensity. Pattern Recognition, 2018, 77, 150-159.	5.1	19
15	White matter hyperintensity and stroke lesion segmentation and differentiation using convolutional neural networks. NeuroImage: Clinical, 2018, 17, 918-934.	1.4	164
16	Brain cortical characteristics of lifetime cognitive ageing. Brain Structure and Function, 2018, 223, 509-518.	1.2	44
17	Blood pressure variability and leukoaraiosis in acute ischemic stroke. International Journal of Stroke, 2018, 13, 473-480.	2.9	5
18	Cognitive abilities, brain white matter hyperintensity volume, and structural network connectivity in older age. Human Brain Mapping, 2018, 39, 622-632.	1.9	41

#	Article	IF	Citations
19	Brain structural differences between 73- and 92-year olds matched for childhood intelligence, social background, and intracranial volume. Neurobiology of Aging, 2018, 62, 146-158.	1.5	11
20	Xanthine oxidase inhibition for the improvement of long-term outcomes following ischaemic stroke and transient ischaemic attack (XILO-FIST) â€“ Protocol for a randomised double blind placebo-controlled clinical trial. European Stroke Journal, 2018, 3, 281-290.	2.7	26
21	Vagus Nerve Stimulation Paired With Upper Limb Rehabilitation After Chronic Stroke. Stroke, 2018, 49, 2789-2792.	1.0	112
22	Characterisation of tissue-type metabolic content in secondary progressive multiple sclerosis: a magnetic resonance spectroscopic imaging study. Journal of Neurology, 2018, 265, 1795-1802.	1.8	7
23	Longitudinal serum S100Î² and brain aging in the Lothian Birth Cohort 1936. Neurobiology of Aging, 2018, 69, 274-282.	1.5	13
24	Predictors of gait speed and its change over three years in community-dwelling older people. Aging, 2018, 10, 144-153.	1.4	19
25	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). NeuroImage, 2017, 144, 299-304.	2.1	46
26	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. NeuroImage, 2017, 153, 399-409.	2.1	13
27	Impact of small vessel disease in the brain on gait and balance. Scientific Reports, 2017, 7, 41637.	1.6	86
28	Risk and protective factors for structural brain ageing in the eighth decade of life. Brain Structure and Function, 2017, 222, 3477-3490.	1.2	40
29	Interaction of APOE e4 and poor glycemic control predicts white matter hyperintensity growth from 73 to 76. Neurobiology of Aging, 2017, 54, 54-58.	1.5	20
30	Mediterranean-type diet and brain structural change from 73 to 76 years in a Scottish cohort. Neurology, 2017, 88, 449-455.	1.5	109
31	Metric to quantify white matter damage on brain magnetic resonance images. Neuroradiology, 2017, 59, 951-962.	1.1	19
32	Brain lesion segmentation through image synthesis and outlier detection. NeuroImage: Clinical, 2017, 16, 643-658.	1.4	38
33	Processing speed and the relationship between Trail Making Test-B performance, cortical thinning and white matter microstructure in older adults. Cortex, 2017, 95, 92-103.	1.1	87
34	Whole Brain Magnetic Resonance Image Atlases: A Systematic Review of Existing Atlases and Caveats for Use in Population Imaging. Frontiers in Neuroinformatics, 2017, 11, 1.	1.3	120
35	Developing an Integrated Image Bank and Metadata for Large-scale Research in Cerebrovascular Disease: Our Experience from the Stroke Image Bank Project. Frontiers in ICT, 2016, 3, .	3.6	0
36	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. Neurology, 2016, 87, 1820-1826.	1.5	46

#	ARTICLE	IF	CITATIONS
37	Pseudo-healthy Image Synthesis for White Matter Lesion Segmentation. Lecture Notes in Computer Science, 2016, , 87-96.	1.0	19
38	Vascular risk factors and progression of white matter hyperintensities in the Lothian Birth Cohort 1936. Neurobiology of Aging, 2016, 42, 116-123.	1.5	72
39	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. Stroke, 2016, 47, 410-416.	1.0	35
40	Use of Brain MRI Atlases to Determine Boundaries of Age-Related Pathology: The Importance of Statistical Method. PLoS ONE, 2015, 10, e0127939.	1.1	20
41	Brain volumetric changes and cognitive ageing during the eighth decade of life. Human Brain Mapping, 2015, 36, 4910-4925.	1.9	79
42	Permutation and parametric tests for effect sizes in voxel-based morphometry of gray matter volume in brain structural MRI. Magnetic Resonance Imaging, 2015, 33, 1299-1305.	1.0	28
43	Differentiation of calcified regions and iron deposits in the ageing brain on conventional structural MR images. Journal of Magnetic Resonance Imaging, 2014, 40, 324-333.	1.9	17
44	Close Correlation between Quantitative and Qualitative Assessments of White Matter Lesions. Neuroepidemiology, 2013, 40, 13-22.	1.1	88
45	Variance in Brain Volume with Advancing Age: Implications for Defining the Limits of Normality. PLoS ONE, 2013, 8, e84093.	1.1	36
46	Do brain image databanks support understanding of normal ageing brain structure? A systematic review. European Radiology, 2012, 22, 1385-1394.	2.3	11
47	Drivers' Understanding of Adaptive Cruise Control Limitations. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1806-1810.	0.2	39