

Alison D Murray

List of Publications by Citations

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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.

107 papers	4,366 citations	34 h-index	64 g-index
121 ext. papers	5,833 ext. citations	8.2 avg, IF	5.03 L-index

#	Paper	IF	Citations
107	Neural mechanisms of imitation and mirror neuron functioning in autistic spectrum disorder. <i>Neuropsychologia</i> , 2006 , 44, 610-21	3.2	304
106	Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders. <i>Nature Neuroscience</i> , 2018 , 21, 1656-1669	25.5	257
105	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018 , 9, 2098	17.4	254
104	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
103	What provides cerebral reserve?. <i>Brain</i> , 2004 , 127, 1191-9	11.2	187
102	A voxel-based investigation of brain structure in male adolescents with autistic spectrum disorder. <i>NeuroImage</i> , 2004 , 22, 619-25	7.9	181
101	Structural white matter deficits in high-functioning individuals with autistic spectrum disorder: a voxel-based investigation. <i>NeuroImage</i> , 2005 , 24, 455-61	7.9	173
100	Tau aggregation inhibitor therapy: an exploratory phase 2 study in mild or moderate Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 705-20	4.3	168
99	Brain white matter hyperintensities: relative importance of vascular risk factors in nondemented elderly people. <i>Radiology</i> , 2005 , 237, 251-7	20.5	168
98	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. <i>Nature Genetics</i> , 2019 , 51, 481-493	36.3	156
97	Childhood socioeconomic status and adult brain size: childhood socioeconomic status influences adult hippocampal size. <i>Annals of Neurology</i> , 2012 , 71, 653-60	9.4	114
96	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
95	Cerebral blood flow and cognitive responses to rivastigmine treatment in Alzheimer's disease. <i>NeuroReport</i> , 2002 , 13, 83-7	1.7	93
94	The balance between cognitive reserve and brain imaging biomarkers of cerebrovascular and Alzheimer's diseases. <i>Brain</i> , 2011 , 134, 3687-96	11.2	92
93	Accuracy of T1 measurement in dynamic contrast-enhanced breast MRI using two- and three-dimensional variable flip angle fast low-angle shot. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 9, 163-71	5.6	92
92	Cerebral white matter abnormalities and lifetime cognitive change: a 67-year follow-up of the Scottish Mental Survey of 1932. <i>Psychology and Aging</i> , 2003 , 18, 140-8	3.6	79
91	Nonlinear complexity analysis of brain FMRI signals in schizophrenia. <i>PLoS ONE</i> , 2014 , 9, e95146	3.7	69

90	Neuropsychologic correlates of brain white matter lesions depicted on MR images: 1921 Aberdeen Birth Cohort. <i>Radiology</i> , 2001 , 221, 51-5	20.5	68
89	Age-, gender-, and socioeconomic status-specific incidence of Parkinson's disease and parkinsonism in northeast Scotland: the PINE study. <i>Parkinsonism and Related Disorders</i> , 2013 , 19, 515-21	3.6	66
88	A multi-modal MRI study of the central response to inflammation in rheumatoid arthritis. <i>Nature Communications</i> , 2018 , 9, 2243	17.4	62
87	An overview of prevalence, determinants and health outcomes of polypharmacy. <i>Therapeutic Advances in Drug Safety</i> , 2020 , 11, 2042098620933741	3.5	61
86	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019 , 51, 636-648	36.3	59
85	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018 , 102, 375-400	11	59
84	Life-course determinants of cognitive reserve (CR) in cognitive aging and dementia - a systematic literature review. <i>Aging and Mental Health</i> , 2018 , 22, 915-926	3.5	58
83	Cerebellar brain volume accounts for variance in cognitive performance in older adults. <i>Cortex</i> , 2011 , 47, 441-50	3.8	57
82	Physical disease and resilient outcomes: a systematic review of resilience definitions and study methods. <i>Psychosomatics</i> , 2015 , 56, 168-80	2.6	51
81	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019 , 10, 376	17.4	41
80	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019 , 10, 4957	17.4	40
79	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. <i>Maturitas</i> , 2011 , 69, 365-72	5	39
78	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAIN). <i>NeuroImage</i> , 2017 , 144, 299-304	7.9	38
77	Anticholinergic drugs in late life: adverse effects on cognition but not on progress to dementia. <i>Journal of Alzheimer's Disease</i> , 2012 , 30, 253-61	4.3	37
76	Generality and specificity in cognitive aging: a volumetric brain analysis. <i>NeuroImage</i> , 2006 , 30, 1433-40	7.9	37
75	Neurobiologic Features of Fibromyalgia Are Also Present Among Rheumatoid Arthritis Patients. <i>Arthritis and Rheumatology</i> , 2018 , 70, 1000-1007	9.5	36
74	Brain structural complexity and life course cognitive change. <i>NeuroImage</i> , 2012 , 61, 694-701	7.9	36
73	Is retaining the youthful functional anatomy underlying speed of information processing a signature of successful cognitive ageing? An event-related fMRI study of inspection time performance. <i>NeuroImage</i> , 2008 , 41, 581-95	7.9	32

72	Inter-individual differences in fMRI entropy measurements in old age. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 3206-14	5	29
71	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 696-708	35.1	29
70	Genetic insights into biological mechanisms governing human ovarian ageing. <i>Nature</i> , 2021 , 596, 393-397	30.4	28
69	Age-, and gender-specific incidence of vascular parkinsonism, progressive supranuclear palsy, and parkinsonian-type multiple system atrophy in North East Scotland: the PINE study. <i>Parkinsonism and Related Disorders</i> , 2014 , 20, 834-9	3.6	27
68	Variance in brain volume with advancing age: implications for defining the limits of normality. <i>PLoS ONE</i> , 2013 , 8, e84093	3.7	27
67	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
66	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
65	Structural brain complexity and cognitive decline in late life--a longitudinal study in the Aberdeen 1936 Birth Cohort. <i>NeuroImage</i> , 2014 , 100, 558-63	7.9	24
64	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. <i>Age</i> , 2012 , 34, 451-9		23
63	A Review of Frailty Syndrome and Its Physical, Cognitive and Emotional Domains in the Elderly. <i>Geriatrics (Switzerland)</i> , 2017 , 2,	2.2	22
62	Cerebral correlates of cognitive reserve. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 247, 65-70	2.9	21
61	Fuzzy approximate entropy analysis of resting state fMRI signal complexity across the adult life span. <i>Medical Engineering and Physics</i> , 2015 , 37, 1082-90	2.4	21
60	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
59	Blunted medial prefrontal cortico-limbic reward-related effective connectivity and depression. <i>Brain</i> , 2020 , 143, 1946-1956	11.2	19
58	Klotho, APOE ϵ 4, cognitive ability, brain size, atrophy, and survival: a study in the Aberdeen Birth Cohort of 1936. <i>Neurobiology of Aging</i> , 2017 , 55, 91-98	5.6	18
57	Early life socioeconomic circumstance and late life brain hyperintensities--a population based cohort study. <i>PLoS ONE</i> , 2014 , 9, e88969	3.7	18
56	Imaging approaches for dementia. <i>American Journal of Neuroradiology</i> , 2012 , 33, 1836-44	4.4	18
55	Exploring possible neural mechanisms of intelligence differences using processing speed and working memory tasks: An fMRI study. <i>Intelligence</i> , 2009 , 37, 199-206	3	18

54	Shape analysis of 123I-N-omega-fluoropropyl-2-beta-carbomethoxy-3beta-(4-iodophenyl) nortropane single-photon emission computed tomography images in the assessment of patients with parkinsonian syndromes. <i>Nuclear Medicine Communications</i> , 2009 , 30, 194-201	1.6	18
53	Genome-wide Regional Heritability Mapping Identifies a Locus Within the TOX2 Gene Associated With Major Depressive Disorder. <i>Biological Psychiatry</i> , 2017 , 82, 312-321	7.9	17
52	Increased diastolic blood pressure is associated with MRI biomarkers of dementia-related brain pathology in normative ageing. <i>Age and Ageing</i> , 2018 , 47, 95-100	3	17
51	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , 2020 , 11, 2542	17.4	16
50	Homocysteine, antioxidant micronutrients and late onset dementia. <i>European Journal of Nutrition</i> , 2014 , 53, 277-85	5.2	16
49	Genome-wide haplotype-based association analysis of major depressive disorder in Generation Scotland and UK Biobank. <i>Translational Psychiatry</i> , 2017 , 7, 1263	8.6	15
48	Neural correlates of fatigue in granulomatosis with polyangiitis: a functional magnetic resonance imaging study. <i>Rheumatology</i> , 2014 , 53, 2080-7	3.9	15
47	Genetic and environmental factors in late onset dementia: possible role for early parental death. <i>International Journal of Geriatric Psychiatry</i> , 2013 , 28, 75-81	3.9	14
46	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
45	Brain volume and survival from age 78 to 85: the contribution of Alzheimer-type magnetic resonance imaging findings. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 688-95	5.6	14
44	Brain hyperintensity location determines outcome in the triad of impaired cognition, physical health and depressive symptoms: A cohort study in late life. <i>Archives of Gerontology and Geriatrics</i> , 2016 , 63, 49-54	4	12
43	Neural Indicators of Fatigue in Chronic Diseases: A Systematic Review of MRI Studies. <i>Diagnostics</i> , 2018 , 8,	3.8	12
42	Cortical Thickness and Surface Area Networks in Healthy Aging, Alzheimer's Disease and Behavioral Variant Fronto-Temporal Dementia. <i>International Journal of Neural Systems</i> , 2019 , 29, 1850055	6.2	12
41	Concentration-Dependent Activity of Hydromethylthionine on Clinical Decline and Brain Atrophy in a Randomized Controlled Trial in Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 501-519	4.3	11
40	Regional cerebral blood flow and aberrant motor behaviour in Alzheimer's disease. <i>Behavioural Brain Research</i> , 2011 , 222, 375-9	3.4	11
39	Childhood intelligence and brain white matter hyperintensities predict fluid intelligence age 78-81 years: a 1921 Aberdeen birth cohort study. <i>Age and Ageing</i> , 2011 , 40, 562-7	3	11
38	Do brain image databanks support understanding of normal ageing brain structure? A systematic review. <i>European Radiology</i> , 2012 , 22, 1385-94	8	10
37	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

36	The Neurobiology of Personal Control During Reward Learning and Its Relationship to Mood. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 190-199	3.4	10
35	Association of Inflammation With Pronociceptive Brain Connections in Rheumatoid Arthritis Patients With Concomitant Fibromyalgia. <i>Arthritis and Rheumatology</i> , 2020 , 72, 41-46	9.5	10
34	Depressive symptoms in late life and cerebrovascular disease: the importance of intelligence and lesion location. <i>Depression and Anxiety</i> , 2013 , 30, 77-84	8.4	9
33	A comparison of measurement methods of hippocampal atrophy rate for predicting Alzheimer's dementia in the Aberdeen Birth Cohort of 1936. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 6, 31-39	5.2	7
32	Late-life deficits in cognitive, physical and emotional functions, childhood intelligence and occupational profile: a life-course examination of the Aberdeen 1936 Birth Cohort (ABC1936). <i>Age and Ageing</i> , 2016 , 45, 486-93	3	7
31	The association between polypharmacy and late life deficits in cognitive, physical and emotional capability: a cohort study. <i>International Journal of Clinical Pharmacy</i> , 2019 , 41, 251-257	2.3	7
30	Imprinting methylation in SNRPN and MEST1 in adult blood predicts cognitive ability. <i>PLoS ONE</i> , 2019 , 14, e0211799	3.7	6
29	Automated classification of depression from structural brain measures across two independent community-based cohorts. <i>Human Brain Mapping</i> , 2020 , 41, 3922-3937	5.9	6
28	Partial recovery from amnesia following bilateral surgical fornix transection is correlated with cortical plasticity. <i>British Journal of Neurosurgery</i> , 2011 , 25, 658-61	1	6
27	Functional and structural magnetic resonance imaging correlates of fatigue in patients with rheumatoid arthritis. <i>Rheumatology</i> , 2019 , 58, 1822-1830	3.9	5
26	Fatigue-related brain white matter changes in granulomatosis with polyangiitis. <i>Rheumatology</i> , 2013 , 52, 1429-34	3.9	5
25	Early life predictors of late life cerebral small vessel disease in four prospective cohort studies. <i>Brain</i> , 2021 ,	11.2	5
24	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. <i>PLoS ONE</i> , 2020 , 15, e0230815	3.15	4
23	Aspirin moderates the association between cardiovascular risk, brain white matter hyperintensity total lesion volume and processing speed in normal ageing. <i>Maturitas</i> , 2020 , 133, 49-53	5	4
22	Genetic and shared couple environmental contributions to smoking and alcohol use in the UK population. <i>Molecular Psychiatry</i> , 2021 , 26, 4344-4354	15.1	4
21	Haplotype-based association analysis of general cognitive ability in Generation Scotland, the English Longitudinal Study of Ageing, and UK Biobank. <i>Wellcome Open Research</i> , 2017 , 2, 61	4.8	3
20	Klotho gene polymorphism, brain structure and cognition in early-life development. <i>Brain Imaging and Behavior</i> , 2020 , 14, 213-225	4.1	3
19	Failure of founder transgenic male mice to transmit an attenuated HSV thymidine kinase transgene results from mosaicism and sperm competition. <i>Molecular Reproduction and Development</i> , 2000 , 55, 249-55	2.6	2

18	Circulating asymmetric dimethylarginine and cognitive decline: A 4-year follow-up study of the 1936 Aberdeen Birth Cohort. <i>International Journal of Geriatric Psychiatry</i> , 2020 , 35, 1181-1188	3.9	2
17	Age Related Changes in Cerebrovascular Reactivity and Its Relationship to Global Brain Structure. <i>British Journal of Medicine and Medical Research</i> , 2015 , 7, 809-820		1
16	Hypoplastic internal carotid artery stenosis with a low-lying carotid bifurcation causing cerebral ischemia. <i>Journal of Vascular Surgery</i> , 2012 , 56, 1416-8	3.5	1
15	Blood-based epigenome-wide analyses of cognitive abilities.. <i>Genome Biology</i> , 2022 , 23, 26	18.3	1
14	The use of positron emission tomography/magnetic resonance imaging in dementia: A literature review. <i>International Journal of Geriatric Psychiatry</i> , 2021 , 36, 1501-1513	3.9	1
13	Motion During Acquisition is Associated With fMRI Brain Entropy. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 586-593	7.2	1
12	Imprinting methylation predicts hippocampal volumes and hyperintensities and the change with age in later life. <i>Scientific Reports</i> , 2021 , 11, 943	4.9	1
11	Epigenome-wide association study of global cortical volumes in generation Scotland: Scottish family health study. <i>Epigenetics</i> , 2021 , 1-17	5.7	0
10	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
9	Spectral clustering based on structural magnetic resonance imaging and its relationship with major depressive disorder and cognitive ability. <i>European Journal of Neuroscience</i> , 2021 , 54, 6281-6303	3.5	0
8	Interview: Imaging in cognitive aging and dementia. <i>Imaging in Medicine</i> , 2012 , 4, 601-604	1	
7	The Brain, Salivary and Lacrimal Glands 2005 , 231-246		
6	Degeneration of basal and limbic networks is a core feature of behavioural variant frontotemporal dementia.. <i>Brain Communications</i> , 2021 , 3, fcab241	4.5	
5	Alzheimer's Dementia: The Emerging Role of Positron Emission Tomography. <i>Neuroscientist</i> , 2021 , 1073858421997035	7.5	
4	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
3	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
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