Alison D Murray

List of Publications by Year in Descending Order

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	Blood-based epigenome-wide analyses of cognitive abilities.. *Genome Biology*, **2022**, 23, 26	18.3	1
106	Epigenome-wide association study of global cortical volumes in generation Scotland: Scottish family health study. *Epigenetics*, **2021**, 1-17	5.7	0
105	Degeneration of basal and limbic networks is a core feature of behavioural variant frontotemporal dementia.. *Brain Communications*, **2021**, 3, fcab241	4.5	
104	Alzheimer's Dementia: The Emerging Role of Positron Emission Tomography. *Neuroscientist*, **2021**, 1073858421997035	7.6	
103	The use of positron emission tomography/magnetic resonance imaging in dementia: A literature review. *International Journal of Geriatric Psychiatry*, **2021**, 36, 1501-1513	3.9	1
102	Genetic and shared couple environmental contributions to smoking and alcohol use in the UK population. *Molecular Psychiatry*, **2021**, 26, 4344-4354	15.1	4
101	Genetic insights into biological mechanisms governing human ovarian ageing. *Nature*, **2021**, 596, 393-397	50.4	28
100	Early life predictors of late life cerebral small vessel disease in four prospective cohort studies. *Brain*, **2021**,	11.2	5
99	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. *Nature Genetics*, **2021**, 53, 1311-1321	36.3	27
98	Spectral clustering based on structural magnetic resonance imaging and its relationship with major depressive disorder and cognitive ability. *European Journal of Neuroscience*, **2021**, 54, 6281-6303	3.5	0
97	Imprinting methylation predicts hippocampal volumes and hyperintensities and the change with age in later life. *Scientific Reports*, **2021**, 11, 943	4.9	1
96	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. *PLoS ONE*, **2020**, 15, e0230815	3.7	4
95	Blunted medial prefrontal cortico-limbic reward-related effective connectivity and depression. *Brain*, **2020**, 143, 1946-1956	11.2	19
94	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. *Nature Communications*, **2020**, 11, 2542	17.4	16
93	Automated classification of depression from structural brain measures across two independent community-based cohorts. *Human Brain Mapping*, **2020**, 41, 3922-3937	5.9	6
92	An overview of prevalence, determinants and health outcomes of polypharmacy. *Therapeutic Advances in Drug Safety*, **2020**, 11, 2042098620933741	3.5	61
91	Aspirin moderates the association between cardiovascular risk, brain white matter hyperintensity total lesion volume and processing speed in normal ageing. *Maturitas*, **2020**, 133, 49-53	5	4

90	Concentration-Dependent Activity of Hydromethylthionine on Clinical Decline and Brain Atrophy in a Randomized Controlled Trial in Behavioral Variant Frontotemporal Dementia. *Journal of Alzheimer's Disease*, **2020**, 75, 501-519	4.3	11
89	Circulating asymmetric dimethylarginine and cognitive decline: A 4-year follow-up study of the 1936 Aberdeen Birth Cohort. *International Journal of Geriatric Psychiatry*, **2020**, 35, 1181-1188	3.9	2
88	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
87	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. *Lancet Respiratory Medicine,the*, **2020**, 8, 696-708	35.1	29
86	Klotho gene polymorphism, brain structure and cognition in early-life development. *Brain Imaging and Behavior*, **2020**, 14, 213-225	4.1	3
85	Motion During Acquisition is Associated With fMRI Brain Entropy. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 586-593	7.2	1
84	Association of Inflammation With Pronociceptive Brain Connections in Rheumatoid Arthritis Patients With Concomitant Fibromyalgia. *Arthritis and Rheumatology*, **2020**, 72, 41-46	9.5	10
83	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
82	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
81	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
80	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815		
79	Functional and structural magnetic resonance imaging correlates of fatigue in patients with rheumatoid arthritis. *Rheumatology*, **2019**, 58, 1822-1830	3.9	5
78	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. *Nature Communications*, **2019**, 10, 376	17.4	41
77	Imprinting methylation in SNRPN and MEST1 in adult blood predicts cognitive ability. *PLoS ONE*, **2019**, 14, e0211799	3.7	6
76	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nature Genetics*, **2019**, 51, 636-648	36.3	59
75	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. *Nature Genetics*, **2019**, 51, 481-493	36.3	156
74	Associations of autozygosity with a broad range of human phenotypes. *Nature Communications*, **2019**, 10, 4957	17.4	40
73	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.. *Wellcome Open Research*, **2019**, 4, 185	4.8	10

72	The association between polypharmacy and late life deficits in cognitive, physical and emotional capability: a cohort study. *International Journal of Clinical Pharmacy*, **2019**, 41, 251-257	2.3	7
71	The Neurobiology of Personal Control During Reward Learning and Its Relationship to Mood. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 190-199	3.4	10
70	Cortical Thickness and Surface Area Networks in Healthy Aging, Alzheimer's Disease and Behavioral Variant Fronto-Temporal Dementia. *International Journal of Neural Systems*, **2019**, 29, 1850055	6.2	12
69	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221
68	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *American Journal of Human Genetics*, **2018**, 102, 375-400	11	59
67	Neurobiologic Features of Fibromyalgia Are Also Present Among Rheumatoid Arthritis Patients. *Arthritis and Rheumatology*, **2018**, 70, 1000-1007	9.5	36
66	Increased diastolic blood pressure is associated with MRI biomarkers of dementia-related brain pathology in normative ageing. *Age and Ageing*, **2018**, 47, 95-100	3	17
65	Life-course determinants of cognitive reserve (CR) in cognitive aging and dementia - a systematic literature review. *Aging and Mental Health*, **2018**, 22, 915-926	3.5	58
64	Neural Indicators of Fatigue in Chronic Diseases: A Systematic Review of MRI Studies. *Diagnostics*, **2018**, 8,	3.8	12
63	A multi-modal MRI study of the central response to inflammation in rheumatoid arthritis. *Nature Communications*, **2018**, 9, 2243	17.4	62
62	Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders. *Nature Neuroscience*, **2018**, 21, 1656-1669	25.5	257
61	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nature Communications*, **2018**, 9, 2098	17.4	254
60	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). *NeuroImage*, **2017**, 144, 299-304	7.9	38
59	A comparison of measurement methods of hippocampal atrophy rate for predicting Alzheimer's dementia in the Aberdeen Birth Cohort of 1936. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2017**, 6, 31-39	5.2	7
58	Klotho, APOE ε4, cognitive ability, brain size, atrophy, and survival: a study in the Aberdeen Birth Cohort of 1936. *Neurobiology of Aging*, **2017**, 55, 91-98	5.6	18
57	Genome-wide Regional Heritability Mapping Identifies a Locus Within the TOX2 Gene Associated With Major Depressive Disorder. *Biological Psychiatry*, **2017**, 82, 312-321	7.9	17
56	Genome-wide haplotype-based association analysis of major depressive disorder in Generation Scotland and UK Biobank. *Translational Psychiatry*, **2017**, 7, 1263	8.6	15
55	A Review of Frailty Syndrome and Its Physical, Cognitive and Emotional Domains in the Elderly. *Geriatrics (Switzerland)*, **2017**, 2,	2.2	22

54	Haplotype-based association analysis of general cognitive ability in Generation Scotland, the English Longitudinal Study of Ageing, and UK Biobank. *Wellcome Open Research*, **2017**, 2, 61	4.8	3
53	Brain hyperintensity location determines outcome in the triad of impaired cognition, physical health and depressive symptoms: A cohort study in late life. *Archives of Gerontology and Geriatrics*, **2016**, 63, 49-54	4	12
52	Cerebral correlates of cognitive reserve. *Psychiatry Research - Neuroimaging*, **2016**, 247, 65-70	2.9	21
51	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). *Age and Ageing*, **2016**, 45, 486-93	3	7
50	Physical disease and resilient outcomes: a systematic review of resilience definitions and study methods. *Psychosomatics*, **2015**, 56, 168-80	2.6	51
49	Tau aggregation inhibitor therapy: an exploratory phase 2 study in mild or moderate Alzheimer's disease. *Journal of Alzheimer's Disease*, **2015**, 44, 705-20	4.3	168
48	Age Related Changes in Cerebrovascular Reactivity and Its Relationship to Global Brain Structure. *British Journal of Medicine and Medical Research*, **2015**, 7, 809-820		1
47	Fuzzy approximate entropy analysis of resting state fMRI signal complexity across the adult life span. *Medical Engineering and Physics*, **2015**, 37, 1082-90	2.4	21
46	Early life socioeconomic circumstance and late life brain hyperintensities--a population based cohort study. *PLoS ONE*, **2014**, 9, e88969	3.7	18
45	Nonlinear complexity analysis of brain FMRI signals in schizophrenia. *PLoS ONE*, **2014**, 9, e95146	3.7	69
44	Neural correlates of fatigue in granulomatosis with polyangiitis: a functional magnetic resonance imaging study. *Rheumatology*, **2014**, 53, 2080-7	3.9	15
43	Structural brain complexity and cognitive decline in late life--a longitudinal study in the Aberdeen 1936 Birth Cohort. *NeuroImage*, **2014**, 100, 558-63	7.9	24
42	Age-, and gender-specific incidence of vascular parkinsonism, progressive supranuclear palsy, and parkinsonian-type multiple system atrophy in North East Scotland: the PINE study. *Parkinsonism and Related Disorders*, **2014**, 20, 834-9	3.6	27
41	Homocysteine, antioxidant micronutrients and late onset dementia. *European Journal of Nutrition*, **2014**, 53, 277-85	5.2	16
40	Genetic and environmental factors in late onset dementia: possible role for early parental death. *International Journal of Geriatric Psychiatry*, **2013**, 28, 75-81	3.9	14
39	Fatigue-related brain white matter changes in granulomatosis with polyangiitis. *Rheumatology*, **2013**, 52, 1429-34	3.9	5
38	Depressive symptoms in late life and cerebrovascular disease: the importance of intelligence and lesion location. *Depression and Anxiety*, **2013**, 30, 77-84	8.4	9
37	Age-, gender-, and socioeconomic status-specific incidence of Parkinson's disease and parkinsonism in northeast Scotland: the PINE study. *Parkinsonism and Related Disorders*, **2013**, 19, 515-21	3.6	66

36	Clinical relevance and practical implications of trials of perfusion and angiographic imaging in patients with acute ischaemic stroke: a multicentre cohort imaging study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 1001-7	5.5	14
35	Variance in brain volume with advancing age: implications for defining the limits of normality. *PLoS ONE*, **2013**, 8, e84093	3.7	27
34	Brain structural complexity and life course cognitive change. *NeuroImage*, **2012**, 61, 694-701	7.9	36
33	Hypoplastic internal carotid artery stenosis with a low-lying carotid bifurcation causing cerebral ischemia. *Journal of Vascular Surgery*, **2012**, 56, 1416-8	3.5	1
32	Childhood socioeconomic status and adult brain size: childhood socioeconomic status influences adult hippocampal size. *Annals of Neurology*, **2012**, 71, 653-60	9.4	114
31	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. *Age*, **2012**, 34, 451-9		23
30	Do brain image databanks support understanding of normal ageing brain structure? A systematic review. *European Radiology*, **2012**, 22, 1385-94	8	10
29	Imaging approaches for dementia. *American Journal of Neuroradiology*, **2012**, 33, 1836-44	4.4	18
28	Interview: Imaging in cognitive aging and dementia. *Imaging in Medicine*, **2012**, 4, 601-604	1	
27	Anticholinergic drugs in late life: adverse effects on cognition but not on progress to dementia. *Journal of Alzheimer's Disease*, **2012**, 30, 253-61	4.3	37
26	Cerebellar brain volume accounts for variance in cognitive performance in older adults. *Cortex*, **2011**, 47, 441-50	3.8	57
25	Regional cerebral blood flow and aberrant motor behaviour in Alzheimer's disease. *Behavioural Brain Research*, **2011**, 222, 375-9	3.4	11
24	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. *Maturitas*, **2011**, 69, 365-72	5	39
23	Inter-individual differences in fMRI entropy measurements in old age. *IEEE Transactions on Biomedical Engineering*, **2011**, 58, 3206-14	5	29
22	The balance between cognitive reserve and brain imaging biomarkers of cerebrovascular and Alzheimer's diseases. *Brain*, **2011**, 134, 3687-96	11.2	92
21	Partial recovery from amnesia following bilateral surgical fornix transection is correlated with cortical plasticity. *British Journal of Neurosurgery*, **2011**, 25, 658-61	1	6
20	Childhood intelligence and brain white matter hyperintensities predict fluid intelligence age 78-81 years: a 1921 Aberdeen birth cohort study. *Age and Ageing*, **2011**, 40, 562-7	3	11
19	Functional Magnetic Resonance Imaging (fMRI) reproducibility and variance components across visits and scanning sites with a finger tapping task. *NeuroImage*, **2010**, 49, 552-60	7.9	100

18	Between- and within-scanner variability in the CaliBrain study n-back cognitive task. *Psychiatry Research - Neuroimaging*, **2010**, 184, 86-95	2.9	21
17	Brain volume and survival from age 78 to 85: the contribution of Alzheimer-type magnetic resonance imaging findings. *Journal of the American Geriatrics Society*, **2010**, 58, 688-95	5.6	14
16	Exploring possible neural mechanisms of intelligence differences using processing speed and working memory tasks: An fMRI study. *Intelligence*, **2009**, 37, 199-206	3	18
15	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. *Nuclear Medicine Communications*, **2009**, 30, 194-201	1.6	18
14	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. *NeuroImage*, **2008**, 41, 581-95	7.9	32
13	Neural mechanisms of imitation and 'mirror neuron' functioning in autistic spectrum disorder. *Neuropsychologia*, **2006**, 44, 610-21	3.2	304
12	Generality and specificity in cognitive aging: a volumetric brain analysis. *NeuroImage*, **2006**, 30, 1433-40	7.9	37
11	Structural white matter deficits in high-functioning individuals with autistic spectrum disorder: a voxel-based investigation. *NeuroImage*, **2005**, 24, 455-61	7.9	173
10	The Brain, Salivary and Lacrimal Glands **2005**, 231-246		
9	Brain white matter hyperintensities: relative importance of vascular risk factors in nondemented elderly people. *Radiology*, **2005**, 237, 251-7	20.5	168
8	What provides cerebral reserve?. *Brain*, **2004**, 127, 1191-9	11.2	187
7	A voxel-based investigation of brain structure in male adolescents with autistic spectrum disorder. *NeuroImage*, **2004**, 22, 619-25	7.9	181
6	Cerebral white matter abnormalities and lifetime cognitive change: a 67-year follow-up of the Scottish Mental Survey of 1932. *Psychology and Aging*, **2003**, 18, 140-8	3.6	79
5	Cerebral blood flow and cognitive responses to rivastigmine treatment in Alzheimer's disease. *NeuroReport*, **2002**, 13, 83-7	1.7	93
4	Neuropsychologic correlates of brain white matter lesions depicted on MR images: 1921 Aberdeen Birth Cohort. *Radiology*, **2001**, 221, 51-5	20.5	68
3	Failure of founder transgenic male mice to transmit an attenuated HSV thymidine kinase transgene results from mosaicism and sperm competition. *Molecular Reproduction and Development*, **2000**, 55, 249-55	2.6	2
2	Accuracy of T1 measurement in dynamic contrast-enhanced breast MRI using two- and three-dimensional variable flip angle fast low-angle shot. *Journal of Magnetic Resonance Imaging*, **1999**, 9, 163-71	5.6	92
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. *Wellcome Open Research*,4, 185	4.8	0