

Karen A Mather

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

6,507
citations

117625

34
h-index

79698

73
g-index

90
all docs

90
docs citations

90
times ranked

11442
citing authors

#	ARTICLE	IF	CITATIONS
1	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
2	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
3	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	12.8	484
4	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
5	The Sydney Memory and Ageing Study (MAS): methodology and baseline medical and neuropsychiatric characteristics of an elderly epidemiological non-demented cohort of Australians aged 70â€”90 years. <i>International Psychogeriatrics</i> , 2010, 22, 1248-1264.	1.0	286
6	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
7	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. <i>Nature Genetics</i> , 2021, 53, 1636-1648.	21.4	223
8	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
9	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204
10	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
11	<i>APOE</i> genotype and MRI markers of cerebrovascular disease. <i>Neurology</i> , 2013, 81, 292-300.	1.1	149
12	APOE genotype and cognitive functioning in a large age-stratified population sample.. <i>Neuropsychology</i> , 2007, 21, 1-8.	1.3	143
13	Factors Predicting Reversion from Mild Cognitive Impairment to Normal Cognitive Functioning: A Population-Based Study. <i>PLoS ONE</i> , 2013, 8, e59649.	2.5	143
14	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. <i>Neurobiology of Aging</i> , 2016, 40, 68-77.	3.1	115
15	Risk prediction of late-onset Alzheimerâ€™s disease implies an oligogenic architecture. <i>Nature Communications</i> , 2020, 11, 4799.	12.8	110
16	Risk Factors for Late-Life Cognitive Decline and Variation with Age and Sex in the Sydney Memory and Ageing Study. <i>PLoS ONE</i> , 2013, 8, e65841.	2.5	93
17	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285.	12.8	89
18	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75

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19	Aging, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , 2017, 9, 689-700.	2.1	73
20	Review and meta-analysis of genetic polymorphisms associated with exceptional human longevity. <i>Mechanisms of Ageing and Development</i> , 2018, 175, 24-34.	4.6	71
21	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020, 51, 2111-2121.	2.0	71
22	Genome-wide Studies of Verbal Declarative Memory in Nondemented Older People: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. <i>Biological Psychiatry</i> , 2015, 77, 749-763.	1.3	67
23	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
24	Risk Profiles for Mild Cognitive Impairment Vary by Age and Sex: The Sydney Memory and Ageing Study. <i>American Journal of Geriatric Psychiatry</i> , 2012, 20, 854-865.	1.2	59
25	Risk Profiles of Subtypes of Mild Cognitive Impairment: The Sydney Memory and Ageing Study. <i>Journal of the American Geriatrics Society</i> , 2012, 60, 24-33.	2.6	56
26	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54
27	The association of APOE genotype and cognitive decline in interaction with risk factors in a 65-69 year old community sample. <i>BMC Geriatrics</i> , 2008, 8, 14.	2.7	53
28	Risk Factors for Mild Cognitive Impairment, Dementia and Mortality: The Sydney Memory and Ageing Study. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 388-395.	2.5	53
29	Plasma lipidome is dysregulated in Alzheimer's disease and is associated with disease risk genes. <i>Translational Psychiatry</i> , 2021, 11, 344.	4.8	51
30	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. <i>Human Brain Mapping</i> , 2017, 38, 4444-4458.	3.6	51
31	The Sydney Centenarian Study: methodology and profile of centenarians and near-centenarians. <i>International Psychogeriatrics</i> , 2013, 25, 993-1005.	1.0	49
32	Meta-analysis of genome-wide DNA methylation identifies shared associations across neurodegenerative disorders. <i>Genome Biology</i> , 2021, 22, 90.	8.8	49
33	The Genetics of White Matter Lesions. <i>CNS Neuroscience and Therapeutics</i> , 2011, 17, 525-540.	3.9	45
34	Plasma apolipoproteins and physical and cognitive health in very old individuals. <i>Neurobiology of Aging</i> , 2017, 55, 49-60.	3.1	42
35	Systematic review and meta-analysis of genetic studies of late-life depression. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 75, 129-139.	6.1	41
36	Genome-wide Meta-analysis Finds the ACSL5-ZDHHC6 Locus Is Associated with ALS and Links Weight Loss to the Disease Genetics. <i>Cell Reports</i> , 2020, 33, 108323.	6.4	41

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37	Distinct Genetic Influences on Cortical and Subcortical Brain Structures. <i>Scientific Reports</i> , 2016, 6, 32760.	3.3	40
38	White Matter Hyperintensities Are Under Strong Genetic Influence. <i>Stroke</i> , 2016, 47, 1422-1428.	2.0	38
39	Genome-wide average DNA methylation is determined in utero. <i>International Journal of Epidemiology</i> , 2018, 47, 908-916.	1.9	38
40	Genome-wide study of DNA methylation shows alterations in metabolic, inflammatory, and cholesterol pathways in ALS. <i>Science Translational Medicine</i> , 2022, 14, eabj0264.	12.4	38
41	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.	7.9	34
42	Genetic and environmental causes of variation in epigenetic aging across the lifespan. <i>Clinical Epigenetics</i> , 2020, 12, 158.	4.1	33
43	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018, 9, 3945.	12.8	31
44	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	3.6	30
45	Co-expression network analysis of peripheral blood transcriptome identifies dysregulated protein processing in endoplasmic reticulum and immune response in recurrent MDD in older adults. <i>Journal of Psychiatric Research</i> , 2018, 107, 19-27.	3.1	27
46	Grey matter atrophy of basal forebrain and hippocampus in mild cognitive impairment. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 487-493.	1.9	26
47	Differential gene expression in brain and peripheral tissues in depression across the life span: A review of replicated findings. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 281-293.	6.1	26
48	A Meta-Analysis of Genome-Wide Association Studies of Growth Differentiation Factor-15 Concentration in Blood. <i>Frontiers in Genetics</i> , 2018, 9, 97.	2.3	26
49	Significant out-of-sample classification from methylation profile scoring for amyotrophic lateral sclerosis. <i>Npj Genomic Medicine</i> , 2020, 5, 10.	3.8	25
50	The Relationship Between Plasma A β Levels, Cognitive Function and Brain Volumetrics: Sydney Memory and Ageing Study. <i>Current Alzheimer Research</i> , 2016, 13, 243-255.	1.4	25
51	Genetics of ageing-related changes in brain white matter integrity – A review. <i>Ageing Research Reviews</i> , 2013, 12, 391-401.	10.9	24
52	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24
53	Genetic influence on ageing-related changes in resting-state brain functional networks in healthy adults: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 98-110.	6.1	23
54	Alcohol Consumption and Incident Dementia: Evidence from the Sydney Memory and Ageing Study. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 529-538.	2.6	20

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55	Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. <i>Scientific Reports</i> , 2016, 6, 23675.	3.3	20
56	DNA Methylation in the Apolipoprotein-A1 Gene is Associated with Episodic Memory Performance in Healthy Older Individuals. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 175-182.	2.6	19
57	Sydney Memory and Ageing Study: An epidemiological cohort study of brain ageing and dementia. <i>International Review of Psychiatry</i> , 2013, 25, 711-725.	2.8	16
58	IsCHCHD10Pro34Ser pathogenic for frontotemporal dementia and amyotrophic lateral sclerosis?: Figure 1. <i>Brain</i> , 2015, 138, e385-e385.	7.6	16
59	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	2.9	16
60	Renin-Angiotensin System Genetic Polymorphisms and Brain White Matter Lesions in Older Australians. <i>American Journal of Hypertension</i> , 2014, 27, 1191-1198.	2.0	15
61	Genetics of hand grip strength in mid to late life. <i>Age</i> , 2015, 37, 9745.	3.0	15
62	Early life affects late-life health through determining DNA methylation across the lifespan: A twin study. <i>EBioMedicine</i> , 2022, 77, 103927.	6.1	15
63	APOE Genotype Differentially Modulates Plasma Lipids in Healthy Older Individuals, with Relevance to Brain Health. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 703-716.	2.6	13
64	An investigation into early-life stress and cognitive function in older age. <i>International Psychogeriatrics</i> , 2020, 32, 1325-1329.	1.0	13
65	Investigating the influence of KIBRA and CLSTN2 genetic polymorphisms on cross-sectional and longitudinal measures of memory performance and hippocampal volume in older individuals. <i>Neuropsychologia</i> , 2015, 78, 10-17.	1.6	12
66	Downregulated transferrin receptor in the blood predicts recurrent MDD in the elderly cohort: A fuzzy forests approach. <i>Journal of Affective Disorders</i> , 2020, 267, 42-48.	4.1	12
67	The many ages of man. <i>Current Opinion in Psychiatry</i> , 2019, 32, 130-137.	6.3	10
68	Exceptional Longevity and Polygenic Risk for Cardiovascular Health. <i>Genes</i> , 2019, 10, 227.	2.4	9
69	The influence of rs53576 polymorphism in the oxytocin receptor (<i>OXTR</i>) gene on empathy in healthy adults by subtype and ethnicity: a systematic review and meta-analysis. <i>Reviews in the Neurosciences</i> , 2022, 33, 43-57.	2.9	9
70	Investigating the Genetics of Hippocampal Volume in Older Adults without Dementia. <i>PLoS ONE</i> , 2015, 10, e0116920.	2.5	8
71	Development of a shortâ€œform version of the Reading the Mind in the Eyes Test for assessing theory of mind in older adults. <i>International Journal of Geriatric Psychiatry</i> , 2020, 35, 1322-1330.	2.7	8
72	Genetics of Microstructure of the Corpus Callosum in Older Adults. <i>PLoS ONE</i> , 2014, 9, e113181.	2.5	8

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73	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. <i>ELife</i> , 2020, 9, .	6.0	8
74	Genetic factors and epigenetic mechanisms of longevity: current perspectives. <i>Epigenomics</i> , 2015, 7, 1339-1349.	2.1	7
75	The heritability of amyloid burden in older adults: the Older Australian Twins Study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 303-308.	1.9	7
76	Tick tock: DNA methylation, the epigenetic clock and exceptional longevity. <i>Epigenomics</i> , 2016, 8, 1577-1582.	2.1	6
77	Investigating Olfactory Gene Variation and Odour Identification in Older Adults. <i>Genes</i> , 2021, 12, 669.	2.4	4
78	Parental Life Span and Polygenic Risk Score of Longevity Are Associated With White Matter Hyperintensities. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 689-696.	3.6	2
79	Sydney Centenarian Study. , 2016, , 1-8.		0
80	Sydney Centenarian Study. , 2017, , 2365-2372.		0