

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	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
2	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
3	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
4	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
5	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
6	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
7	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
8	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
9	Meta-analysis of genome-wide DNA methylation identifies shared associations across neurodegenerative disorders. <i>Genome Biology</i> , 2021, 22, 90.	8.8	49
10	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
11	Investigating Olfactory Gene Variation and Odour Identification in Older Adults. <i>Genes</i> , 2021, 12, 669.	2.4	4
12	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
13	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
14	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
15	An investigation into early-life stress and cognitive function in older age. <i>International Psychogeriatrics</i> , 2020, 32, 1325-1329.	1.0	13
16	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
17	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
18	Risk prediction of late-onset Alzheimer's disease implies an oligogenic architecture. <i>Nature Communications</i> , 2020, 11, 4799.	12.8	110

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19	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285.	12.8	89
20	Genetic and environmental causes of variation in epigenetic aging across the lifespan. <i>Clinical Epigenetics</i> , 2020, 12, 158.	4.1	33
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	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
23	Significant out-of-sample classification from methylation profile scoring for amyotrophic lateral sclerosis. <i>Npj Genomic Medicine</i> , 2020, 5, 10.	3.8	25
24	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
25	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
26	Development of a short-form 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
27	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
28	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. <i>ELife</i> , 2020, 9, .	6.0	8
29	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
30	Exceptional Longevity and Polygenic Risk for Cardiovascular Health. <i>Genes</i> , 2019, 10, 227.	2.4	9
31	The many ages of man. <i>Current Opinion in Psychiatry</i> , 2019, 32, 130-137.	6.3	10
32	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
33	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
34	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
35	Genome-wide average DNA methylation is determined in utero. <i>International Journal of Epidemiology</i> , 2018, 47, 908-916.	1.9	38
36	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	12.8	484

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37	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
38	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
39	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
40	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
41	Ageing, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , 2017, 9, 689-700.	2.1	73
42	Plasma apolipoproteins and physical and cognitive health in very old individuals. <i>Neurobiology of Aging</i> , 2017, 55, 49-60.	3.1	42
43	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
44	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
45	Sydney Centenarian Study. , 2017, , 2365-2372.		0
46	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
47	White Matter Hyperintensities Are Under Strong Genetic Influence. <i>Stroke</i> , 2016, 47, 1422-1428.	2.0	38
48	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
49	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
50	Tick tock: DNA methylation, the epigenetic clock and exceptional longevity. <i>Epigenomics</i> , 2016, 8, 1577-1582.	2.1	6
51	Distinct Genetic Influences on Cortical and Subcortical Brain Structures. <i>Scientific Reports</i> , 2016, 6, 32760.	3.3	40
52	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
53	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
54	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204

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55	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
56	Sydney Centenarian Study. , 2016, , 1-8.		0
57	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
58	Investigating the Genetics of Hippocampal Volume in Older Adults without Dementia. <i>PLoS ONE</i> , 2015, 10, e0116920.	2.5	8
59	Genetic factors and epigenetic mechanisms of longevity: current perspectives. <i>Epigenomics</i> , 2015, 7, 1339-1349.	2.1	7
60	Genetics of hand grip strength in mid to late life. <i>Age</i> , 2015, 37, 9745.	3.0	15
61	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
62	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
63	IsCHCHD10Pro34Ser pathogenic for frontotemporal dementia and amyotrophic lateral sclerosis?: Figure 1. <i>Brain</i> , 2015, 138, e385-e385.	7.6	16
64	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
65	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
66	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
67	Genetics of Microstructure of the Corpus Callosum in Older Adults. <i>PLoS ONE</i> , 2014, 9, e113181.	2.5	8
68	Genetics of ageing-related changes in brain white matter integrity – A review. <i>Ageing Research Reviews</i> , 2013, 12, 391-401.	10.9	24
69	<i>APOE</i> genotype and MRI markers of cerebrovascular disease. <i>Neurology</i> , 2013, 81, 292-300.	1.1	149
70	The Sydney Centenarian Study: methodology and profile of centenarians and near-centenarians. <i>International Psychogeriatrics</i> , 2013, 25, 993-1005.	1.0	49
71	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
72	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

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73	Risk Factors for Late-Life Cognitive Decline and Variation with Age and Sex in the Sydney Memory and Ageing Study. PLoS ONE, 2013, 8, e65841.	2.5	93
74	Risk Profiles for Mild Cognitive Impairment Vary by Age and Sex: The Sydney Memory and Ageing Study. American Journal of Geriatric Psychiatry, 2012, 20, 854-865.	1.2	59
75	Risk Profiles of Subtypes of Mild Cognitive Impairment: The Sydney Memory and Ageing Study. Journal of the American Geriatrics Society, 2012, 60, 24-33.	2.6	56
76	The Genetics of White Matter Lesions. CNS Neuroscience and Therapeutics, 2011, 17, 525-540.	3.9	45
77	Grey matter atrophy of basal forebrain and hippocampus in mild cognitive impairment. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 487-493.	1.9	26
78	The Sydney Memory and Ageing Study (MAS): methodology and baseline medical and neuropsychiatric characteristics of an elderly epidemiological non-demented cohort of Australians aged 70-90 years. International Psychogeriatrics, 2010, 22, 1248-1264.	1.0	286
79	The association of APOE genotype and cognitive decline in interaction with risk factors in a 65-69 year old community sample. BMC Geriatrics, 2008, 8, 14.	2.7	53
80	APOE genotype and cognitive functioning in a large age-stratified population sample. Neuropsychology, 2007, 21, 1-8.	1.3	143