

# John M Starr

## List of Publications by Year in descending order

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Version: 2024-02-01

265  
papers

24,706  
citations

9786

73  
h-index

10445

139  
g-index

274  
all docs

274  
docs citations

274  
times ranked

34462  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015, 16, 25.	8.8	928
2	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , 2018, 50, 1412-1425.	21.4	924
3	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. <i>Nature Genetics</i> , 2018, 50, 912-919.	21.4	893
4	GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. <i>Science</i> , 2013, 340, 1467-1471.	12.6	750
5	Grip Strength across the Life Course: Normative Data from Twelve British Studies. <i>PLoS ONE</i> , 2014, 9, e113637.	2.5	734
6	The Impact of Childhood Intelligence on Later Life: Following Up the Scottish Mental Surveys of 1932 and 1947.. <i>Journal of Personality and Social Psychology</i> , 2004, 86, 130-147.	2.8	693
7	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017, 542, 186-190.	27.8	544
8	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	12.8	484
9	The epigenetic clock is correlated with physical and cognitive fitness in the Lothian Birth Cohort 1936. <i>International Journal of Epidemiology</i> , 2015, 44, 1388-1396.	1.9	472
10	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017, 49, 1758-1766.	21.4	470
11	The Stability of Individual Differences in Mental Ability from Childhood to Old Age: Follow-up of the 1932 Scottish Mental Survey. <i>Intelligence</i> , 2000, 28, 49-55.	3.0	411
12	GWAS on family history of Alzheimer's disease. <i>Translational Psychiatry</i> , 2018, 8, 99.	4.8	406
13	The Lothian Birth Cohort 1936: a study to examine influences on cognitive ageing from age 11 to age 70 and beyond. <i>BMC Geriatrics</i> , 2007, 7, 28.	2.7	399
14	Cognitive reserve and the neurobiology of cognitive aging. <i>Ageing Research Reviews</i> , 2004, 3, 369-382.	10.9	372
15	Target risk factors for dementia prevention: a systematic review and Delphi consensus study on the evidence from observational studies. <i>International Journal of Geriatric Psychiatry</i> , 2015, 30, 234-246.	2.7	363
16	Cohort Profile: The Lothian Birth Cohorts of 1921 and 1936. <i>International Journal of Epidemiology</i> , 2012, 41, 1576-1584.	1.9	359
17	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMA's DTI working group. <i>NeuroImage</i> , 2013, 81, 455-469.	4.2	354
18	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , 2018, 103, 691-706.	6.2	326

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19	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. <i>Nature Genetics</i> , 2015, 47, 1282-1293.	21.4	294
20	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2015, 72, 642.	11.0	289
21	Association of Low-Frequency and Rare Coding-Sequence Variants with Blood Lipids and Coronary Heart Disease in 56,000 Whites and Blacks. <i>American Journal of Human Genetics</i> , 2014, 94, 223-232.	6.2	287
22	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018, 50, 26-41.	21.4	286
23	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. <i>Nature Genetics</i> , 2016, 48, 1462-1472.	21.4	284
24	Cognitive change and the APOE $\epsilon$ 4 allele. <i>Nature</i> , 2002, 418, 932-932.	27.8	267
25	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016, 48, 1151-1161.	21.4	261
26	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016, 17, 255.	8.8	251
27	Association of Body Mass Index with DNA Methylation and Gene Expression in Blood Cells and Relations to Cardiometabolic Disease: A Mendelian Randomization Approach. <i>PLoS Medicine</i> , 2017, 14, e1002215.	8.4	246
28	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13790-13794.	7.1	244
29	Birth Weight and Cognitive Ability in Childhood: A Systematic Review.. <i>Psychological Bulletin</i> , 2004, 130, 989-1013.	6.1	238
30	Genetic contributions to stability and change in intelligence from childhood to old age. <i>Nature</i> , 2012, 482, 212-215.	27.8	228
31	White matter hyperintensities and normal-appearing white matter integrity in the aging brain. <i>Neurobiology of Aging</i> , 2015, 36, 909-918.	3.1	224
32	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.	21.4	218
33	<i>KLB</i> is associated with alcohol drinking, and its gene product $\beta$ -Klotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14372-14377.	7.1	208
34	Total MRI load of cerebral small vessel disease and cognitive ability in older people. <i>Neurobiology of Aging</i> , 2015, 36, 2806-2811.	3.1	199
35	Childhood IQ, Social Class, Deprivation, and Their Relationships with Mortality and Morbidity Risk in Later Life: Prospective Observational Study Linking the Scottish Mental Survey 1932 and the Midspan Studies. <i>Psychosomatic Medicine</i> , 2003, 65, 877-883.	2.0	193
36	Brain White Matter Hyperintensities: Relative Importance of Vascular Risk Factors in Nondemented Elderly People. <i>Radiology</i> , 2005, 237, 251-257.	7.3	184

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37	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , 2018, 9, 4455.	12.8	181
38	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. <i>Behavior Genetics</i> , 2016, 46, 170-182.	2.1	178
39	Intergenerational social mobility and mid-life status attainment: Influences of childhood intelligence, childhood social factors, and education. <i>Intelligence</i> , 2005, 33, 455-472.	3.0	173
40	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015, 523, 459-462.	27.8	173
41	The association between telomere length, physical health, cognitive ageing, and mortality in non-demented older people. <i>Neuroscience Letters</i> , 2006, 406, 260-264.	2.1	172
42	Association analyses identify 31 new risk loci for colorectal cancer susceptibility. <i>Nature Communications</i> , 2019, 10, 2154.	12.8	172
43	Identification of 55,000 Replicated DNA Methylation QTL. <i>Scientific Reports</i> , 2018, 8, 17605.	3.3	157
44	Blood-brain barrier permeability in Alzheimer's disease: a case-control MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 171, 232-241.	1.8	154
45	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017, 101, 888-902.	6.2	154
46	Genetic and environmental exposures constrain epigenetic drift over the human life course. <i>Genome Research</i> , 2014, 24, 1725-1733.	5.5	152
47	Age and Gender Differences in Physical Capability Levels from Mid-Life Onwards: The Harmonisation and Meta-Analysis of Data from Eight UK Cohort Studies. <i>PLoS ONE</i> , 2011, 6, e27899.	2.5	148
48	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , 2014, 46, 669-677.	21.4	131
49	Systems genetics identifies a convergent gene network for cognition and neurodevelopmental disease. <i>Nature Neuroscience</i> , 2016, 19, 223-232.	14.8	131
50	Multiethnic Meta-Analysis of Genome-Wide Association Studies in >100 000 Subjects Identifies 23 Fibrinogen-Associated Loci but No Strong Evidence of a Causal Association Between Circulating Fibrinogen and Cardiovascular Disease. <i>Circulation</i> , 2013, 128, 1310-1324.	1.6	128
51	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and mega-analytical approaches for data pooling. <i>NeuroImage</i> , 2014, 95, 136-150.	4.2	127
52	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.	6.2	123
53	Childhood Socioeconomic Position and Objectively Measured Physical Capability Levels in Adulthood: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2011, 6, e15564.	2.5	121
54	A lifetime of intelligence: Follow-up studies of the Scottish mental surveys of 1932 and 1947.. , 2009, , .		118

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55	Improving Phenotypic Prediction by Combining Genetic and Epigenetic Associations. <i>American Journal of Human Genetics</i> , 2015, 97, 75-85.	6.2	116
56	Predictors of ageing-related decline across multiple cognitive functions. <i>Intelligence</i> , 2016, 59, 115-126.	3.0	112
57	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.	21.4	112
58	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. <i>Nature Communications</i> , 2015, 6, 8658.	12.8	108
59	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
60	Green space and cognitive ageing: A retrospective life course analysis in the Lothian Birth Cohort 1936. <i>Social Science and Medicine</i> , 2018, 196, 56-65.	3.8	105
61	Brain iron deposits are associated with general cognitive ability and cognitive aging. <i>Neurobiology of Aging</i> , 2012, 33, 510-517.e2.	3.1	104
62	Large-Scale Cognitive GWAS Meta-Analysis Reveals Tissue-Specific Neural Expression and Potential Nootropic Drug Targets. <i>Cell Reports</i> , 2017, 21, 2597-2613.	6.4	103
63	Physical fitness and lifetime cognitive change. <i>Neurology</i> , 2006, 67, 1195-1200.	1.1	102
64	Beyond a bigger brain: Multivariable structural brain imaging and intelligence. <i>Intelligence</i> , 2015, 51, 47-56.	3.0	101
65	The Effects of Antihypertensive Treatment on Cognitive Function: Results from the HOPE Study. <i>Journal of the American Geriatrics Society</i> , 1996, 44, 411-415.	2.6	98
66	Coupled Changes in Brain White Matter Microstructure and Fluid Intelligence in Later Life. <i>Journal of Neuroscience</i> , 2015, 35, 8672-8682.	3.6	97
67	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018, 13, e0198166.	2.5	94
68	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.	21.4	91
69	Towards understanding the links between health literacy and physical health.. <i>Health Psychology</i> , 2014, 33, 164-173.	1.6	91
70	Childhood mental ability and blood pressure at midlife. <i>Journal of Hypertension</i> , 2004, 22, 893-897.	0.5	90
71	Processing speed and the relationship between Trail Making Test-B performance, cortical thinning and white matter microstructure in older adults. <i>Cortex</i> , 2017, 95, 92-103.	2.4	87
72	Impact of small vessel disease in the brain on gait and balance. <i>Scientific Reports</i> , 2017, 7, 41637.	3.3	86

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73	Association Between Psychological Distress and Liver Disease Mortality: A Meta-analysis of Individual Study Participants. <i>Gastroenterology</i> , 2015, 148, 958-966.e4.	1.3	85
74	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	3.4	85
75	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019, 10, 4957.	12.8	84
76	Brain white matter damage in aging and cognitive ability in youth and older age. <i>Neurobiology of Aging</i> , 2013, 34, 2740-2747.	3.1	83
77	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. <i>Molecular Psychiatry</i> , 2020, 25, 2392-2409.	7.9	83
78	The functional COMT polymorphism, Val158Met, is associated with logical memory and the personality trait intellect/imagination in a cohort of healthy 79 year olds. <i>Neuroscience Letters</i> , 2005, 385, 1-6.	2.1	81
79	Oxidative stress, telomere length and biomarkers of physical aging in a cohort aged 79 years from the 1932 Scottish Mental Survey. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 745-751.	4.6	81
80	Brain volumetric changes and cognitive ageing during the eighth decade of life. <i>Human Brain Mapping</i> , 2015, 36, 4910-4925.	3.6	79
81	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons. <i>JAMA Psychiatry</i> , 2018, 75, 949.	11.0	78
82	High-resolution magnetic resonance elastography reveals differences in subcortical gray matter viscoelasticity between young and healthy older adults. <i>Neurobiology of Aging</i> , 2018, 65, 158-167.	3.1	77
83	Brain white matter structure and information processing speed in healthy older age. <i>Brain Structure and Function</i> , 2016, 221, 3223-3235.	2.3	75
84	Reverse Causation in the Association Between C-Reactive Protein and Fibrinogen Levels and Cognitive Abilities in an Aging Sample. <i>Psychosomatic Medicine</i> , 2009, 71, 404-409.	2.0	74
85	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. <i>Human Molecular Genetics</i> , 2016, 25, 358-370.	2.9	73
86	Vascular risk factors and progression of white matter hyperintensities in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2016, 42, 116-123.	3.1	72
87	Apolipoprotein E Gene Variability and Cognitive Functions at Age 79: A Follow-Up of the Scottish Mental Survey of 1932.. <i>Psychology and Aging</i> , 2004, 19, 367-371.	1.6	70
88	A genetic association analysis of cognitive ability and cognitive ageing using 325 markers for 109 genes associated with oxidative stress or cognition. <i>BMC Genetics</i> , 2007, 8, 43.	2.7	69
89	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018, 23, 2133-2144.	7.9	68
90	Association of allostatic load with brain structure and cognitive ability in later life. <i>Neurobiology of Aging</i> , 2015, 36, 1390-1399.	3.1	67

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91	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
92	COMT genotype and cognitive ability: A longitudinal aging study. <i>Neuroscience Letters</i> , 2007, 421, 57-61.	2.1	65
93	Telomere length and aging biomarkers in 70-year-olds: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2012, 33, 1486.e3-1486.e8.	3.1	64
94	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64
95	Polygenic Risk for Alzheimer's Disease is not Associated with Cognitive Ability or Cognitive Aging in Non-Demented Older People. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 565-574.	2.6	63
96	Structure and correlates of cognitive aging in a narrow age cohort.. <i>Psychology and Aging</i> , 2014, 29, 236-249.	1.6	62
97	DNA methylation and the epigenetic clock in relation to physical frailty in older people: the Lothian Birth Cohort 1936. <i>Clinical Epigenetics</i> , 2018, 10, 101.	4.1	62
98	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. <i>American Journal of Human Genetics</i> , 2016, 99, 8-21.	6.2	60
99	Smoking and cognitive change from age 11 to 66years: A confirmatory investigation. <i>Addictive Behaviors</i> , 2007, 32, 63-68.	3.0	58
100	Alzheimer's disease susceptibility genes APOE and TOMM40, and brain white matter integrity in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2014, 35, 1513.e25-1513.e33.	3.1	58
101	Death certification in treated cases of presenile Alzheimer's disease and vascular dementia in Scotland. <i>Age and Ageing</i> , 1997, 26, 401-406.	1.6	56
102	Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. <i>Blood</i> , 2015, 126, e19-e29.	1.4	55
103	Towards Standardization of Quantitative Retinal Vascular Parameters: Comparison of SIVA and VAMPIRE Measurements in the Lothian Birth Cohort 1936. <i>Translational Vision Science and Technology</i> , 2018, 7, 12.	2.2	55
104	Life long changes in cognitive ability are associated with prescribed medications in old age. <i>International Journal of Geriatric Psychiatry</i> , 2004, 19, 327-332.	2.7	53
105	Mental Ability in Childhood and Cognitive Aging. <i>Gerontology</i> , 2008, 54, 177-186.	2.8	53
106	Bilingualism, social cognition and executive functions: A tale of chickens and eggs. <i>Neuropsychologia</i> , 2016, 91, 299-306.	1.6	53
107	Cognitive and behavioural predictors of survival in Alzheimer disease: results from a sample of treated patients in a tertiary referral memory clinic. <i>International Journal of Geriatric Psychiatry</i> , 2012, 27, 844-853.	2.7	52
108	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. <i>PLoS ONE</i> , 2014, 9, e100776.	2.5	52

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109	<scp>GWAS</scp> analysis of handgrip and lower body strength in older adults in the <scp>CHARGE</scp> consortium. <i>Aging Cell</i> , 2016, 15, 792-800.	6.7	51
110	Intelligence and socioeconomic position in childhood in relation to frailty and cumulative allostatic load in later life: the Lothian Birth Cohort 1936. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 576-582.	3.7	51
111	Large-Scale Exome-wide Association Analysis Identifies Loci for White Blood Cell Traits and Pleiotropy with Immune-Mediated Diseases. <i>American Journal of Human Genetics</i> , 2016, 99, 22-39.	6.2	50
112	CHOLINESTERASE INHIBITOR TREATMENT AND URINARY INCONTINENCE IN ALZHEIMER'S DISEASE. <i>Journal of the American Geriatrics Society</i> , 2007, 55, 800-801.	2.6	49
113	Height in relation to dementia death: individual participant meta-analysis of 18 UK prospective cohort studies. <i>British Journal of Psychiatry</i> , 2014, 205, 348-354.	2.8	49
114	Epigenome-wide association study of lung function level and its change. <i>European Respiratory Journal</i> , 2019, 54, 1900457.	6.7	49
115	Retinal microvasculature and cerebral small vessel disease in the Lothian Birth Cohort 1936 and Mild Stroke Study. <i>Scientific Reports</i> , 2019, 9, 6320.	3.3	49
116	Changes in sensitivity patterns to selected antibiotics in <i>Clostridium difficile</i> in geriatric in-patients over an 18-month period. <i>Journal of Medical Microbiology</i> , 2003, 52, 259-263.	1.8	48
117	Predictors and correlates of edentulism in healthy older people. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010, 13, 19-23.	2.5	48
118	Transitions across cognitive states and death among older adults in relation to education: A multistate survival model using data from six longitudinal studies. <i>Alzheimer's and Dementia</i> , 2018, 14, 462-472.	0.8	47
119	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. <i>Neurology</i> , 2016, 87, 1820-1826.	1.1	46
120	Genome-wide association studies identify genetic loci for low von Willebrand factor levels. <i>European Journal of Human Genetics</i> , 2016, 24, 1035-1040.	2.8	45
121	Childhood and current cognitive function in healthy 80-year-olds: a DT-MRI study. <i>NeuroReport</i> , 2003, 14, 345-349.	1.2	44
122	Predictors and correlates of edentulism in the healthy old people in Edinburgh (HOPE) study. <i>Gerodontology</i> , 2008, 25, 199-204.	2.0	43
123	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, 365-372.	2.4	42
124	Correlates of personality trait levels and their changes in very old age: The Lothian Birth Cohort 1921. <i>Journal of Research in Personality</i> , 2012, 46, 271-278.	1.7	42
125	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. <i>Nature Communications</i> , 2020, 11, 800.	12.8	42
126	Cognitive consequences of overweight and obesity in the ninth decade of life?. <i>Age and Ageing</i> , 2015, 44, 59-65.	1.6	41



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127	Association between telomere length and heart disease in a narrow age cohort of older people. <i>Experimental Gerontology</i> , 2007, 42, 571-573.	2.8	40
128	Risk and protective factors for structural brain ageing in the eighth decade of life. <i>Brain Structure and Function</i> , 2017, 222, 3477-3490.	2.3	40
129	Is age kinder to the initially more able?: differential ageing of a verbal ability in the Healthy Old People in Edinburgh study. <i>Intelligence</i> , 1998, 26, 357-375.	3.0	39
130	A Novel Assessment and Profiling of Multidimensional Apathy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 57-67.	2.6	39
131	Personality, health, and brain integrity: The Lothian Birth Cohort Study 1936.. <i>Health Psychology</i> , 2014, 33, 1477-1486.	1.6	38
132	Polygenic predictors of age-related decline in cognitive ability. <i>Molecular Psychiatry</i> , 2020, 25, 2584-2598.	7.9	38
133	Dietary factors and biomarkers of systemic inflammation in older people: the Lothian Birth Cohort 1936. <i>British Journal of Nutrition</i> , 2015, 114, 1088-1098.	2.3	37
134	Longitudinal telomere length shortening and cognitive and physical decline in later life: The Lothian Birth Cohorts 1936 and 1921. <i>Mechanisms of Ageing and Development</i> , 2016, 154, 43-48.	4.6	37
135	Aluminium and fluoride in drinking water in relation to later dementia risk. <i>British Journal of Psychiatry</i> , 2020, 216, 29-34.	2.8	37
136	Risk factors for <i>Clostridium difficile</i> colonisation and toxin production. <i>Age and Ageing</i> , 2003, 32, 657-660.	1.6	36
137	Losing One's Grip: A Bivariate Growth Curve Model of Grip Strength and Nonverbal Reasoning From Age 79 to 87 Years in the Lothian Birth Cohort 1921. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2011, 66B, 699-707.	3.9	36
138	Effect of smoking on physical and cognitive capability in later life: a multicohort study using observational and genetic approaches. <i>BMJ Open</i> , 2015, 5, e008393.	1.9	35
139	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. <i>Stroke</i> , 2016, 47, 410-416.	2.0	35
140	Telomere Length and Physical Performance at Older Ages: An Individual Participant Meta-Analysis. <i>PLoS ONE</i> , 2013, 8, e69526.	2.5	35
141	Pulmonary function as a risk factor for dementia death: an individual participant meta-analysis of six UK general population cohort studies. <i>Journal of Epidemiology and Community Health</i> , 2015, 69, 550-556.	3.7	34
142	Genome-Wide Meta-Analysis Unravels Interactions between Magnesium Homeostasis and Metabolic Phenotypes. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 335-348.	6.1	34
143	Epigenetic signatures of smoking associate with cognitive function, brain structure, and mental and physical health outcomes in the Lothian Birth Cohort 1936. <i>Translational Psychiatry</i> , 2019, 9, 248.	4.8	34
144	The influence of the $\epsilon$ 4 allele of the apolipoprotein E gene on childhood IQ, nonverbal reasoning in old age, and lifetime cognitive change. <i>Intelligence</i> , 2003, 31, 85-92.	3.0	33

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145	Genes From a Translational Analysis Support a Multifactorial Nature of White Matter Hyperintensities. <i>Stroke</i> , 2015, 46, 341-347.	2.0	33
146	Age-related gene expression changes, and transcriptome wide association study of physical and cognitive aging traits, in the Lothian Birth Cohort 1936. <i>Aging</i> , 2017, 9, 2489-2503.	3.1	33
147	Association of Methylation Signals With Incident Coronary Heart Disease in an Epigenome-Wide Assessment of Circulating Tumor Necrosis Factor $\alpha$ . <i>JAMA Cardiology</i> , 2018, 3, 463.	6.1	33
148	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. <i>Frontiers in Psychiatry</i> , 2019, 10, 524.	2.6	33
149	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019, 6, 190420.	2.4	33
150	<i>Clostridium difficile</i> in a geriatric unit: a prospective epidemiological study employing a novel S-layer typing method. <i>Journal of Medical Microbiology</i> , 2003, 52, 573-578.	1.8	32
151	Relationship between Behavioural and Psychological Symptoms of Dementia and Cognition in Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2007, 24, 343-347.	1.5	32
152	Sleep and cognitive aging in the eighth decade of life. <i>Sleep</i> , 2019, 42, .	1.1	32
153	Does the Addenbrooke's Cognitive Examination-revised add to the Mini-Mental State Examination in established Alzheimer disease? Results from a national dementia research register. <i>International Journal of Geriatric Psychiatry</i> , 2013, 28, 351-355.	2.7	31
154	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019, 28, 2615-2633.	2.9	31
155	Life course influences of physical and cognitive function and personality on attitudes to aging in the Lothian Birth Cohort 1936. <i>International Psychogeriatrics</i> , 2014, 26, 1417-1430.	1.0	30
156	Trajectories of inflammatory biomarkers over the eighth decade and their associations with immune cell profiles and epigenetic ageing. <i>Clinical Epigenetics</i> , 2018, 10, 159.	4.1	30
157	Estimated pre-morbid IQ effects on cognitive and functional outcomes in Alzheimer disease: a longitudinal study in a treated cohort. <i>BMC Psychiatry</i> , 2008, 8, 27.	2.6	29
158	Comparison of HapMap and 1000 Genomes Reference Panels in a Large-Scale Genome-Wide Association Study. <i>PLoS ONE</i> , 2017, 12, e0167742.	2.5	29
159	Prediction of general hospital admission in people with dementia: Cohort study. <i>British Journal of Psychiatry</i> , 2015, 206, 153-159.	2.8	28
160	Predicting incident dementia 8 years after brief cognitive tests in the UK Biobank prospective study of 500,000 people. <i>Alzheimer's and Dementia</i> , 2019, 15, 1546-1557.	0.8	28
161	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. <i>Age</i> , 2012, 34, 451-459.	3.0	27
162	Symmetry of the face in old age reflects childhood social status. <i>Economics and Human Biology</i> , 2013, 11, 236-244.	1.7	27

#	ARTICLE	IF	CITATIONS
163	Common variants in CLDN14 are associated with differential excretion of magnesium over calcium in urine. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 91-103.	2.8	27
164	Cognitive Ability in Late Life and Onset of Physical Frailty: The Lothian Birth Cohort 1936. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 1289-1295.	2.6	27
165	Health literacy, cognitive ability and smoking: a cross-sectional analysis of the English Longitudinal Study of Ageing. <i>BMJ Open</i> , 2018, 8, e023929.	1.9	27
166	Age-dependent DNA methylation patterns on the Y chromosome in elderly males. <i>Aging Cell</i> , 2020, 19, e12907.	6.7	27
167	Sleep and brain morphological changes in the eighth decade of life. <i>Sleep Medicine</i> , 2020, 65, 152-158.	1.6	27
168	Retinal Vascular Fractal Dimension, Childhood IQ, and Cognitive Ability in Old Age: The Lothian Birth Cohort Study 1936. <i>PLoS ONE</i> , 2015, 10, e0121119.	2.5	26
169	Independent evidence for an association between general cognitive ability and a genetic locus for educational attainment. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2015, 168, 363-373.	1.7	25
170	Post-mortem brain analyses of the Lothian Birth Cohort 1936: extending lifetime cognitive and brain phenotyping to the level of the synapse. <i>Acta Neuropathologica Communications</i> , 2015, 3, 53.	5.2	25
171	Retinal microvascular network geometry and cognitive abilities in community-dwelling older people: The Lothian Birth Cohort 1936 study. <i>British Journal of Ophthalmology</i> , 2017, 101, 993-998.	3.9	25
172	Nicastrin gene polymorphisms, cognitive ability level and cognitive ageing. <i>Neuroscience Letters</i> , 2005, 373, 110-114.	2.1	24
173	The influence of pre-morbid IQ on Mini-Mental State Examination score at time of dementia presentation. <i>International Journal of Geriatric Psychiatry</i> , 2007, 22, 382-384.	2.7	24
174	Brain iron deposits and lifespan cognitive ability. <i>Age</i> , 2015, 37, 100.	3.0	24
175	DNA methylation-based measures of accelerated biological ageing and the risk of dementia in the oldest-old: a study of the Lothian Birth Cohort 1921. <i>BMC Psychiatry</i> , 2020, 20, 91.	2.6	24
176	Increased Skeletal Muscle 11 <sup>β</sup> HSD1 mRNA Is Associated with Lower Muscle Strength in Ageing. <i>PLoS ONE</i> , 2013, 8, e84057.	2.5	24
177	Quantitative multi-modal MRI of the Hippocampus and cognitive ability in community-dwelling older subjects. <i>Cortex</i> , 2014, 53, 34-44.	2.4	22
178	Serum cholesterol and cognitive functions: the Lothian Birth Cohort 1936. <i>International Psychogeriatrics</i> , 2015, 27, 439-453.	1.0	22
179	Widespread associations between trait conscientiousness and thickness of brain cortical regions. <i>NeuroImage</i> , 2018, 176, 22-28.	4.2	22
180	Cognitive function in early and later life is associated with blood glucose in older individuals: analysis of the Lothian Birth Cohort of 1936. <i>Diabetologia</i> , 2018, 61, 1946-1955.	6.3	22

#	ARTICLE	IF	CITATIONS
181	Genetic Basis of a Cognitive Complexity Metric. PLoS ONE, 2015, 10, e0123886.	2.5	22
182	Identification of a novel locus on chromosome 2q13, which predisposes to clinical vertebral fractures independently of bone density. Annals of the Rheumatic Diseases, 2018, 77, 378-385.	0.9	21
183	Predicting change in quality of life from age 79 to 90 in the Lothian Birth Cohort 1921. Quality of Life Research, 2019, 28, 737-749.	3.1	21
184	The complex genetics of gait speed: genome-wide meta-analysis approach. Aging, 2017, 9, 209-246.	3.1	21
185	Lawton IADL scale in dementia: can item response theory make it more informative?. Age and Ageing, 2014, 43, 491-495.	1.6	20
186	Interaction of APOE e4 and poor glycemic control predicts white matter hyperintensity growth from 73 to 76. Neurobiology of Aging, 2017, 54, 54-58.	3.1	20
187	Risk factors for dementia in the ninth decade of life and beyond: a study of the Lothian birth cohort 1921. BMC Psychiatry, 2017, 17, 205.	2.6	20
188	Associations with successful ageing in the "Healthy Old People in Edinburgh" cohort: Being well, fit and healthy. Aging Clinical and Experimental Research, 2003, 15, 336-342.	2.9	19
189	PPARG Pro12Ala genotype and risk of cognitive decline in elders? Maybe with diabetes. Neuroscience Letters, 2008, 434, 50-55.	2.1	19
190	Compensation or inhibitory failure? Testing hypotheses of age-related right frontal lobe involvement in verbal memory ability using structural and diffusion MRI. Cortex, 2015, 63, 4-15.	2.4	19
191	Early-life predictors of resilience and related outcomes up to 66 years later in the 6-day sample of the 1947 Scottish mental survey. Social Psychiatry and Psychiatric Epidemiology, 2016, 51, 659-668.	3.1	19
192	Role of cognitive ability in the association between functional health literacy and mortality in the Lothian Birth Cohort 1936: a prospective cohort study. BMJ Open, 2018, 8, e022502.	1.9	19
193	Perivascular spaces in the centrum semiovale at the beginning of the 8th decade of life: effect on cognition and associations with mineral deposition. Brain Imaging and Behavior, 2020, 14, 1865-1875.	2.1	19
194	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 2018, 3, 4.	1.8	19
195	Predictors of gait speed and its change over three years in community-dwelling older people. Aging, 2018, 10, 144-153.	3.1	19
196	Assessing the health of older adults with intellectual disabilities. Journal of Intellectual Disabilities, 2007, 11, 223-239.	1.4	18
197	Sex differences in blood cell counts in the Lothian Birth Cohort 1921 between 79 and 87 years. Maturitas, 2011, 69, 373-376.	2.4	17
198	Personality and Other Lifelong Influences on Older "Age Health and Wellbeing: Preliminary Findings in Two Scottish Samples. European Journal of Personality, 2016, 30, 438-455.	3.1	17

#	ARTICLE	IF	CITATIONS
199	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in <i>MRPL38</i> for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018, 49, 1812-1819.	2.0	17
200	A Functional Polymorphism under Positive Evolutionary Selection in <i>ADRB2</i> is Associated with Human Intelligence with Opposite Effects in the Young and the Elderly. <i>Behavior Genetics</i> , 2009, 39, 15-23.	2.1	16
201	Profiles of physical, emotional and psychosocial wellbeing in the Lothian birth cohort 1936. <i>BMC Geriatrics</i> , 2012, 12, 64.	2.7	16
202	Lower ankle-brachial index is related to worse cognitive performance in old age.. <i>Neuropsychology</i> , 2014, 28, 281-289.	1.3	16
203	Personality Polygenes, Positive Affect, and Life Satisfaction. <i>Twin Research and Human Genetics</i> , 2016, 19, 407-417.	0.6	16
204	Polygenic risk for coronary artery disease is associated with cognitive ability in older adults. <i>International Journal of Epidemiology</i> , 2016, 45, 433-440.	1.9	16
205	DNA methylation age is associated with an altered hemostatic profile in a multiethnic meta-analysis. <i>Blood</i> , 2018, 132, 1842-1850.	1.4	16
206	Blood pressure and ageing: longitudinal cohort study. <i>BMJ: British Medical Journal</i> , 1998, 317, 513-514.	2.3	15
207	<i>APOE/TOMM40</i> Genetic Loci, White Matter Hyperintensities, and Cerebral Microbleeds. <i>International Journal of Stroke</i> , 2015, 10, 1297-1300.	5.9	15
208	Fluid Intelligence Predicts Change in Depressive Symptoms in Later Life: The Lothian Birth Cohort 1936. <i>Psychological Science</i> , 2018, 29, 1984-1995.	3.3	15
209	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020, 12, 14092-14124.	3.1	15
210	Height and intelligence in the Lothian Birth Cohort 1921: a longitudinal study. <i>Age and Ageing</i> , 2010, 39, 272-275.	1.6	14
211	Polygenic risk of ischemic stroke is associated with cognitive ability. <i>Neurology</i> , 2016, 86, 611-618.	1.1	14
212	Hippocampal morphology and cognitive functions in community-dwelling older people: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2017, 52, 1-11.	3.1	14
213	Socio-economic position predicts grip strength and its decline between 79 and 87 years: the Lothian Birth Cohort 1921. <i>Age and Ageing</i> , 2011, 40, 749-752.	1.6	13
214	Do personality traits moderate the manifestation of type 2 diabetes genetic risk?. <i>Journal of Psychosomatic Research</i> , 2015, 79, 303-308.	2.6	13
215	Associations among height, body mass index and intelligence from age 11 to age 78 years. <i>BMC Geriatrics</i> , 2016, 16, 167.	2.7	13
216	Carotid disease at age 73 and cognitive change from age 70 to 76 years: A longitudinal cohort study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3042-3052.	4.3	13

#	ARTICLE	IF	CITATIONS
217	Longitudinal serum S100 $\beta$ and brain aging in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2018, 69, 274-282.	3.1	13
218	Survival in Early Onset Dementia: Effects of Urbanization and Socio-Economic Deprivation. <i>Neuroepidemiology</i> , 1997, 16, 134-140.	2.3	12
219	Fluid intelligence, memory and blood pressure in cognitive aging. <i>Personality and Individual Differences</i> , 1998, 25, 605-619.	2.9	12
220	Urinary incontinence in people with Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2014, 29, 107-109.	2.7	12
221	Genetic diversity is a predictor of mortality in humans. <i>BMC Genetics</i> , 2014, 15, 159.	2.7	12
222	The Attitudes to Ageing Questionnaire: Mokken Scaling Analysis. <i>PLoS ONE</i> , 2014, 9, e99100.	2.5	12
223	Physical frailty and decline in general and specific cognitive abilities: the Lothian Birth Cohort 1936. <i>Journal of Epidemiology and Community Health</i> , 2020, 74, 108-113.	3.7	12
224	Cognitive ability does not predict objectively measured sedentary behavior: Evidence from three older cohorts. <i>Psychology and Aging</i> , 2018, 33, 288-296.	1.6	12
225	Brain structural differences between 73- and 92-year olds matched for childhood intelligence, social background, and intracranial volume. <i>Neurobiology of Aging</i> , 2018, 62, 146-158.	3.1	11
226	Ageing and epigenetics: linking neurodevelopmental and neurodegenerative disorders. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 1134-1138.	2.1	10
227	Meta-analysis of epigenome-wide association studies of carotid intima-media thickness. <i>European Journal of Epidemiology</i> , 2021, 36, 1143-1155.	5.7	10
228	Genetically defined elevated homocysteine levels do not result in widespread changes of DNA methylation in leukocytes. <i>PLoS ONE</i> , 2017, 12, e0182472.	2.5	10
229	Renal function and cognition in the 1932 Scottish Mental Survey Lothian cohort. <i>Age and Ageing</i> , 2007, 36, 323-325.	1.6	9
230	Differences in the haematological profile of healthy 70 year old men and women: normal ranges with confirmatory factor analysis. <i>BMC Hematology</i> , 2010, 10, 4.	2.6	9
231	Does cognitive ability predict mortality in the ninth decade? The Lothian Birth Cohort 1921. <i>Intelligence</i> , 2012, 40, 490-498.	3.0	9
232	A study of common Mendelian disease carriers across ageing British cohorts: meta-analyses reveal heterozygosity for alpha 1-antitrypsin deficiency increases respiratory capacity and height. <i>Journal of Medical Genetics</i> , 2016, 53, 280-288.	3.2	9
233	Associations between hippocampal morphology, diffusion characteristics, and salivary cortisol in older men. <i>Psychoneuroendocrinology</i> , 2017, 78, 151-158.	2.7	9
234	Fluctuating asymmetry in brain structure and general intelligence in 73-year-olds. <i>Intelligence</i> , 2020, 78, 101407.	3.0	9

#	ARTICLE	IF	CITATIONS
235	GSTz1 genotype and cognitive ability. <i>Psychiatric Genetics</i> , 2008, 18, 211-212.	1.1	8
236	Absence of association of a single-nucleotide polymorphism in the TERT-CLPTM1L locus with age-related phenotypes in a large multicohort study: the HALCyon programme. <i>Aging Cell</i> , 2011, 10, 520-532.	6.7	8
237	No Evidence for Genome-Wide Interactions on Plasma Fibrinogen by Smoking, Alcohol Consumption and Body Mass Index: Results from Meta-Analyses of 80,607 Subjects. <i>PLoS ONE</i> , 2014, 9, e111156.	2.5	8
238	Retinal microvascular features and cognitive change in the Lothian Birth Cohort 1936. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 500-509.	2.4	8
239	Assessment and Treatment of Dementia in Medical Patients. <i>Psychotherapy and Psychosomatics</i> , 2000, 69, 59-69.	8.8	7
240	Predictors of tooth loss in the 1921 Lothian Birth Cohort. <i>Age and Ageing</i> , 2007, 37, 111-114.	1.6	7
241	Thyroid function, cognition, functional independence and behavioural and psychological symptoms of dementia in Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2010, 25, 1196-1197.	2.7	7
242	Apolipoprotein E genotype does not moderate the associations of depressive symptoms, neuroticism and allostatic load with cognitive ability and cognitive aging in the Lothian Birth Cohort 1936. <i>PLoS ONE</i> , 2018, 13, e0192604.	2.5	7
243	Complex Variation in Measures of General Intelligence and Cognitive Change. <i>PLoS ONE</i> , 2013, 8, e81189.	2.5	7
244	All-cause mortality in the Aberdeen 1921 birth cohort: Effects of socio-demographic, physical and cognitive factors. <i>BMC Public Health</i> , 2008, 8, 307.	2.9	6
245	Potential effect of skull thickening on the associations between cognition and brain atrophy in ageing. <i>Age and Ageing</i> , 2014, 43, 712-716.	1.6	6
246	Skin Aging and Oxidative Stress. , 2014, , 15-22.		6
247	Examining if being overweight really confers protection against dementia: Sixty-four year follow-up of participants in the Glasgow University alumni cohort study. <i>Journal of Negative Results in BioMedicine</i> , 2016, 15, 19.	1.4	6
248	Longitudinal associations between hearing loss and general cognitive ability: The Lothian Birth Cohort 1936.. <i>Psychology and Aging</i> , 2019, 34, 766-779.	1.6	6
249	Blood pressure and mortality in healthy old people: the r shaped curve. <i>BMJ: British Medical Journal</i> , 1996, 313, 1243-1244.	2.3	5
250	Blood Pressure and Cognition in the Aberdeen 1936 Birth Cohort. <i>Gerontology</i> , 2007, 53, 432-437.	2.8	4
251	Renal function in a narrow-age cohort of adults at 79 and 87 years. <i>Age and Ageing</i> , 2010, 39, 750-752.	1.6	4
252	Does the Order of Item Difficulty of the Addenbrooke's Cognitive Examination Add Anything to Subdomain Scores in the Clinical Assessment of Dementia. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2015, 5, 155-169.	1.3	4

#	ARTICLE	IF	CITATIONS
253	Blood pressure and cognitive function across the eighth decade: a prospective study of the Lothian Birth Cohort of 1936. <i>BMJ Open</i> , 2020, 10, e033990.	1.9	4
254	Variants associated with HHIP expression have sex-differential effects on lung function. <i>Wellcome Open Research</i> , 2020, 5, 111.	1.8	3
255	Functional Gene Group Analysis Indicates No Role for Heterotrimeric G Proteins in Cognitive Ability. <i>PLoS ONE</i> , 2014, 9, e91690.	2.5	3
256	Life review in advanced age: qualitative research on the "start in life" of 90-year-olds in the Lothian Birth Cohort 1921. <i>BMC Geriatrics</i> , 2016, 16, 74.	2.7	2
257	Older adults with intellectual disability: the National Institute for Health and Care Excellence (NICE) guidelines. <i>Age and Ageing</i> , 2019, 48, 14-15.	1.6	2
258	Rare and low-frequency exonic variants and gene-by-smoking interactions in pulmonary function. <i>Scientific Reports</i> , 2021, 11, 19365.	3.3	2
259	Treating acquired haemophilia: an ethical conundrum. <i>Age and Ageing</i> , 2000, 29, 552-552.	1.6	0
260	Present and Future Treatments of Alzheimer's Disease. , 0, , 317-323.		0
261	Elevated Glucocorticoid Levels Are Associated with Temporal Lobe Atrophy and Impaired Cognitive Function in Healthy Elderly Men. <i>Clinical Science</i> , 2003, 104, 39P-39P.	0.0	0
262	Editorial. <i>Archives of Gerontology and Geriatrics</i> , 2013, 56, 405-406.	3.0	0
263	Intelligence in Childhood and Atherosclerosis of the Carotid and Peripheral Arteries in Later Life: The Lothian Birth Cohort 1936. <i>PLoS ONE</i> , 2015, 10, e0125280.	2.5	0
264	Vascular and Mixed Dementia. , 2016, , 1-8.		0
265	Vascular and Mixed Dementia. , 2017, , 2427-2434.		0