

John M Starr

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3860686/john-m-starr-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

261 papers	17,082 citations	66 h-index	123 g-index
274 ext. papers	21,548 ext. citations	7.8 avg, IF	6.03 L-index

#	Paper	IF	Citations
261	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015 , 16, 25	18.3	670
260	GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. <i>Science</i> , 2013 , 340, 1467-71	33.3	563
259	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, 130-47	6.5	563
258	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	36.3	475
257	Grip strength across the life course: normative data from twelve British studies. <i>PLoS ONE</i> , 2014 , 9, e113637	3.7	452
256	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190	50.4	412
255	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , 2018 , 50, 1412-1425	36.3	386
254	The epigenetic clock is correlated with physical and cognitive fitness in the Lothian Birth Cohort 1936. <i>International Journal of Epidemiology</i> , 2015 , 44, 1388-96	7.8	357
253	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	343
252	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	4.1	320
251	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766	36.6	310
250	Cognitive reserve and the neurobiology of cognitive aging. <i>Ageing Research Reviews</i> , 2004 , 3, 369-82	12	299
249	Cohort profile: the Lothian Birth Cohorts of 1921 and 1936. <i>International Journal of Epidemiology</i> , 2012 , 41, 1576-84	7.8	295
248	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: a pilot project of the ENIGMA-DTI working group. <i>NeuroImage</i> , 2013 , 81, 455-469	7.9	278
247	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, 234-46	3.9	256
246	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018 , 9, 2098	17.4	254
245	GWAS on family history of Alzheimer's disease. <i>Translational Psychiatry</i> , 2018 , 8, 99	8.6	238

244	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, 223-32	11	233
243	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	36.3	223
242	Cognitive change and the APOE epsilon 4 allele. <i>Nature</i> , 2002 , 418, 932	50.4	223
241	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2015 , 72, 642-50	14.5	222
240	Birth weight and cognitive ability in childhood: a systematic review. <i>Psychological Bulletin</i> , 2004 , 130, 989-1013	19.1	209
239	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. <i>Nature Genetics</i> , 2016 , 48, 1462-1472	36.3	198
238	Genetic contributions to stability and change in intelligence from childhood to old age. <i>Nature</i> , 2012 , 482, 212-5	50.4	189
237	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	36.3	186
236	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016 , 48, 1151-1161	36.3	181
235	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, 13790-4	11.5	181
234	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016 , 17, 255	18.3	171
233	Brain white matter hyperintensities: relative importance of vascular risk factors in nondemented elderly people. <i>Radiology</i> , 2005 , 237, 251-7	20.5	168
232	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, 877-83	3.7	167
231	White matter hyperintensities and normal-appearing white matter integrity in the aging brain. <i>Neurobiology of Aging</i> , 2015 , 36, 909-18	5.6	163
230	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	11.6	162
229	The association between telomere length, physical health, cognitive ageing, and mortality in non-demented older people. <i>Neuroscience Letters</i> , 2006 , 406, 260-4	3.3	153
228	Total MRI load of cerebral small vessel disease and cognitive ability in older people. <i>Neurobiology of Aging</i> , 2015 , 36, 2806-11	5.6	151
227	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	11	151

226	KLB is associated with alcohol drinking, and its gene product Eklotho 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	11.5	150
225	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	137
224	Blood-brain barrier permeability in Alzheimer's disease: a case-control MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2009 , 171, 232-41	2.9	127
223	Genetic and environmental exposures constrain epigenetic drift over the human life course. <i>Genome Research</i> , 2014 , 24, 1725-33	9.7	123
222	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. <i>Behavior Genetics</i> , 2016 , 46, 170-82	3.2	122
221	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015 , 523, 459-463	10.4	119
220	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	3.7	114
219	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, 1310-24	16.7	107
218	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , 2014 , 46, 669-77	36.3	104
217	Childhood socioeconomic position and objectively measured physical capability levels in adulthood: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2011 , 6, e15564	3.7	104
216	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. <i>NeuroImage</i> , 2014 , 95, 136-50	7.9	95
215	Physical fitness and lifetime cognitive change. <i>Neurology</i> , 2006 , 67, 1195-200	6.5	95
214	Systems genetics identifies a convergent gene network for cognition and neurodevelopmental disease. <i>Nature Neuroscience</i> , 2016 , 19, 223-32	25.5	88
213	Brain iron deposits are associated with general cognitive ability and cognitive aging. <i>Neurobiology of Aging</i> , 2012 , 33, 510-517.e2	5.6	88
212	Improving Phenotypic Prediction by Combining Genetic and Epigenetic Associations. <i>American Journal of Human Genetics</i> , 2015 , 97, 75-85	11	85
211	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017 , 101, 888-902	11	83
210	Association analyses identify 31 new risk loci for colorectal cancer susceptibility. <i>Nature Communications</i> , 2019 , 10, 2154	17.4	81
209	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. <i>Nature Communications</i> , 2015 , 6, 8658	17.4	79

208	Identification of 55,000 Replicated DNA Methylation QTL. <i>Scientific Reports</i> , 2018 , 8, 17605	4.9	78
207	Beyond a bigger brain: Multivariable structural brain imaging and intelligence. <i>Intelligence</i> , 2015 , 51, 47-56	3	77
206	The effects of antihypertensive treatment on cognitive function: results from the HOPE study. <i>Journal of the American Geriatrics Society</i> , 1996 , 44, 411-5	5.6	77
205	Predictors of ageing-related decline across multiple cognitive functions. <i>Intelligence</i> , 2016 , 59, 115-126	3	77
204	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , 2018 , 9, 4455	17.4	75
203	Childhood mental ability and blood pressure at midlife: linking the Scottish Mental Survey 1932 and the Midspan studies. <i>Journal of Hypertension</i> , 2004 , 22, 893-7	1.9	74
202	The functional COMT polymorphism, Val 158 Met, 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	3.3	73
201	A lifetime of intelligence: Follow-up studies of the Scottish mental surveys of 1932 and 1947. 2009 ,		72
200	Large-Scale Cognitive GWAS Meta-Analysis Reveals Tissue-Specific Neural Expression and Potential Nootropic Drug Targets. <i>Cell Reports</i> , 2017 , 21, 2597-2613	10.6	71
199	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, 745-51	5.6	70
198	Coupled changes in brain white matter microstructure and fluid intelligence in later life. <i>Journal of Neuroscience</i> , 2015 , 35, 8672-82	6.6	69
197	Towards understanding the links between health literacy and physical health. <i>Health Psychology</i> , 2014 , 33, 164-73	5	68
196	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	5.1	68
195	Brain white matter damage in aging and cognitive ability in youth and older age. <i>Neurobiology of Aging</i> , 2013 , 34, 2740-7	5.6	64
194	COMT genotype and cognitive ability: a longitudinal aging study. <i>Neuroscience Letters</i> , 2007 , 421, 57-61	3.3	61
193	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, 367-71	3.6	61
192	Impact of small vessel disease in the brain on gait and balance. <i>Scientific Reports</i> , 2017 , 7, 41637	4.9	59
191	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

190	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
189	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	2.6	57
188	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, 404-9	3.7	56
187	Association Between Psychological Distress and Liver Disease Mortality: A Meta-analysis of Individual Study Participants. <i>Gastroenterology</i> , 2015 , 148, 958-966.e4	13.3	55
186	Telomere length and aging biomarkers in 70-year-olds: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2012 , 33, 1486.e3-8	5.6	55
185	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. <i>Human Molecular Genetics</i> , 2016 , 25, 358-70	5.6	54
184	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019 , 104, 112-138	11	54
183	Brain volumetric changes and cognitive ageing during the eighth decade of life. <i>Human Brain Mapping</i> , 2015 , 36, 4910-25	5.9	53
182	Association of allostatic load with brain structure and cognitive ability in later life. <i>Neurobiology of Aging</i> , 2015 , 36, 1390-9	5.6	52
181	Smoking and cognitive change from age 11 to 66 years: a confirmatory investigation. <i>Addictive Behaviors</i> , 2007 , 32, 63-8	4.2	52
180	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons: Meta-analysis of Multiethnic Epigenome-wide Studies. <i>JAMA Psychiatry</i> , 2018 , 75, 949-959	14.5	51
179	Mental ability in childhood and cognitive aging. <i>Gerontology</i> , 2008 , 54, 177-86	5.5	50
178	Brain white matter structure and information processing speed in healthy older age. <i>Brain Structure and Function</i> , 2016 , 221, 3223-35	4	49
177	Vascular risk factors and progression of white matter hyperintensities in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2016 , 42, 116-23	5.6	49
176	Death certification in treated cases of presenile Alzheimer's disease and vascular dementia in Scotland. <i>Age and Ageing</i> , 1997 , 26, 401-6	3	49
175	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, 749-63	7.9	48
174	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.e25-33	5.6	47
173	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	3.8	47

172	Life long changes in cognitive ability are associated with prescribed medications in old age. <i>International Journal of Geriatric Psychiatry</i> , 2004 , 19, 327-32	3.9	47
171	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. <i>American Journal of Human Genetics</i> , 2016 , 99, 8-21	11	47
170	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018 , 23, 2133-2144	15.1	46
169	Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. <i>Blood</i> , 2015 , 126, e19-29	2.2	45
168	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. <i>Molecular Psychiatry</i> , 2020 , 25, 2392-2409	15.1	45
167	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	5.6	44
166	Structure and correlates of cognitive aging in a narrow age cohort. <i>Psychology and Aging</i> , 2014 , 29, 236-249	3.4	44
165	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	11	42
164	Large-scale genome-wide association studies and meta-analyses of longitudinal change in adult lung function. <i>PLoS ONE</i> , 2014 , 9, e100776	3.7	42
163	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019 , 10, 376	17.4	41
162	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019 , 10, 4957	17.4	40
161	Height in relation to dementia death: individual participant meta-analysis of 18 UK prospective cohort studies. <i>British Journal of Psychiatry</i> , 2014 , 205, 348-54	5.4	40
160	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019 , 188, 1033-1054	3.8	39
159	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, 576-82	5.1	39
158	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
157	Cholinesterase inhibitor treatment and urinary incontinence in Alzheimer's disease. <i>Journal of the American Geriatrics Society</i> , 2007 , 55, 800-1	5.6	39
156	Predictors and correlates of edentulism in the healthy old people in Edinburgh (HOPE) study. <i>Gerodontology</i> , 2008 , 25, 199-204	2.8	39
155	Childhood and current cognitive function in healthy 80-year-olds: a DT-MRI study. <i>NeuroReport</i> , 2003 , 14, 345-9	1.7	39

154	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, 844-53	3.9	38
153	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	3.2	37
152	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	7.7	36
151	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	2.8	36
150	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, 565-74	4.3	35
149	Bilingualism, social cognition and executive functions: A tale of chickens and eggs. <i>Neuropsychologia</i> , 2016 , 91, 299-306	3.2	34
148	Genome-wide association studies identify genetic loci for low von Willebrand factor levels. <i>European Journal of Human Genetics</i> , 2016 , 24, 1035-40	5.3	34
147	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, 43-8	5.6	34
146	Dietary factors and biomarkers of systemic inflammation in older people: the Lothian Birth Cohort 1936. <i>British Journal of Nutrition</i> , 2015 , 114, 1088-98	3.6	33
145	Predictors and correlates of edentulism in healthy older people. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010 , 13, 19-23	3.8	33
144	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	33
143	Association between telomere length and heart disease in a narrow age cohort of older people. <i>Experimental Gerontology</i> , 2007 , 42, 571-3	4.5	33
142	GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium. <i>Aging Cell</i> , 2016 , 15, 792-800	9.9	33
141	Retinal microvasculature and cerebral small vessel disease in the Lothian Birth Cohort 1936 and Mild Stroke Study. <i>Scientific Reports</i> , 2019 , 9, 6320	4.9	32
140	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	1.2	32
139	Risk factors for <i>Clostridium difficile</i> colonisation and toxin production. <i>Age and Ageing</i> , 2003 , 32, 657-60	3	32
138	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	3.3	32
137	Risk and protective factors for structural brain ageing in the eighth decade of life. <i>Brain Structure and Function</i> , 2017 , 222, 3477-3490	4	31

136	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	3.7	31
135	Telomere length and physical performance at older ages: an individual participant meta-analysis. <i>PLoS ONE</i> , 2013 , 8, e69526	3.7	30
134	Personality, health, and brain integrity: the Lothian birth cohort study 1936. <i>Health Psychology</i> , 2014 , 33, 1477-86	5	29
133	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 , 66, 699-707	4.6	29
132	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, 351-5	3.9	28
131	The influence of the ϵ 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	28
130	Clostridium difficile 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	3.2	27
129	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
128	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. <i>Stroke</i> , 2016 , 47, 410-6	6.7	26
127	Cognitive consequences of overweight and obesity in the ninth decade of life?. <i>Age and Ageing</i> , 2015 , 44, 59-65	3	26
126	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
125	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. <i>Neurology</i> , 2016 , 87, 1820-1826	6.5	26
124	Epigenome-wide association study of lung function level and its change. <i>European Respiratory Journal</i> , 2019 , 54,	13.6	25
123	Relationship between behavioural and psychological symptoms of dementia and cognition in Alzheimer's disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2007 , 24, 343-7	2.6	25
122	Genes from a translational analysis support a multifactorial nature of white matter hyperintensities. <i>Stroke</i> , 2015 , 46, 341-7	6.7	24
121	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 , 1-14	3.4	24
120	Polygenic predictors of age-related decline in cognitive ability. <i>Molecular Psychiatry</i> , 2020 , 25, 2584-2598	5.1	24
119	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	3	23

118	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. <i>Age</i> , 2012 , 34, 451-9		23
117	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	5.6	22
116	Prediction of general hospital admission in people with dementia: cohort study. <i>British Journal of Psychiatry</i> , 2015 , 206, 153-9	5.4	22
115	Symmetry of the face in old age reflects childhood social status. <i>Economics and Human Biology</i> , 2013 , 11, 236-44	2.6	22
114	A Novel Assessment and Profiling of Multidimensional Apathy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, 57-67	4.3	22
113	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	4.2	22
112	Common variants in CLDN14 are associated with differential excretion of magnesium over calcium in urine. <i>Pflügers Archiv European Journal of Physiology</i> , 2017 , 469, 91-103	4.6	21
111	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, 550-6	5.1	21
110	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. <i>Frontiers in Psychiatry</i> , 2019 , 10, 524	5	21
109	Quantitative multi-modal MRI of the Hippocampus and cognitive ability in community-dwelling older subjects. <i>Cortex</i> , 2014 , 53, 34-44	3.8	21
108	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 , 168B, 363-73	3.5	21
107	Comparison of HapMap and 1000 Genomes Reference Panels in a Large-Scale Genome-Wide Association Study. <i>PLoS ONE</i> , 2017 , 12, e0167742	3.7	21
106	Brain iron deposits and lifespan cognitive ability. <i>Age</i> , 2015 , 37, 100		20
105	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	5.6	20
104	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, 382-4	3.9	20
103	Nicastrin gene polymorphisms, cognitive ability level and cognitive ageing. <i>Neuroscience Letters</i> , 2005 , 373, 110-4	3.3	20
102	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	7.3	19
101	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	12.7	19

100	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	3.7	19
99	Widespread associations between trait conscientiousness and thickness of brain cortical regions. <i>NeuroImage</i> , 2018 , 176, 22-28	7.9	18
98	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	10.3	18
97	Assessing the health of older adults with intellectual disabilities: a user-led approach. <i>Journal of Intellectual Disabilities</i> , 2007 , 11, 223-39	1.8	18
96	Aluminium and fluoride in drinking water in relation to later dementia risk. <i>British Journal of Psychiatry</i> , 2020 , 216, 29-34	5.4	18
95	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	5.5	17
94	Association of Methylation Signals With Incident Coronary Heart Disease in an Epigenome-Wide Assessment of Circulating Tumor Necrosis Factor α <i>JAMA Cardiology</i> , 2018 , 3, 463-472	16.2	17
93	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	8.6	17
92	PPARG Pro12Ala genotype and risk of cognitive decline in elders? Maybe with diabetes. <i>Neuroscience Letters</i> , 2008 , 434, 50-5	3.3	17
91	Associations with successful ageing in the "Healthy Old People in Edinburgh" cohort: being well, fit and healthy. <i>Aging Clinical and Experimental Research</i> , 2003 , 15, 336-42	4.8	17
90	Increased skeletal muscle 11 β SD1 mRNA is associated with lower muscle strength in ageing. <i>PLoS ONE</i> , 2013 , 8, e84057	3.7	17
89	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	7.7	17
88	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019 , 6, 190420	3.3	16
87	Compensation or inhibitory failure? Testing hypotheses of age-related right frontal lobe involvement in verbal memory ability using structural and diffusion MRI. <i>Cortex</i> , 2015 , 63, 4-15	3.8	16
86	Early-life predictors of resilience and related outcomes up to 66 years later in the 6-day sample of the 1947 Scottish mental survey. <i>Social Psychiatry and Psychiatric Epidemiology</i> , 2016 , 51, 659-68	4.5	16
85	Serum cholesterol and cognitive functions: the Lothian Birth Cohort 1936. <i>International Psychogeriatrics</i> , 2015 , 27, 439-53	3.4	16
84	A Functional polymorphism under positive evolutionary selection in ADRB2 is associated with human intelligence with opposite effects in the young and the elderly. <i>Behavior Genetics</i> , 2009 , 39, 15-23	3.2	16
83	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 2018 , 3, 4	4.8	16

82	The complex genetics of gait speed: genome-wide meta-analysis approach. <i>Aging</i> , 2017 , 9, 209-246	5.6	16
81	Interaction of APOE e4 and poor glycemic control predicts white matter hyperintensity growth from 73 to 76. <i>Neurobiology of Aging</i> , 2017 , 54, 54-58	5.6	15
80	Polygenic risk for coronary artery disease is associated with cognitive ability in older adults. <i>International Journal of Epidemiology</i> , 2016 , 45, 433-440	7.8	15
79	Lawton IADL scale in dementia: can item response theory make it more informative?. <i>Age and Ageing</i> , 2014 , 43, 491-5	3	15
78	Identification of a novel locus on chromosome 2q13, which predisposes to clinical vertebral fractures independently of bone density. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 378-385	2.4	15
77	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	5.6	14
76	Sex differences in blood cell counts in the Lothian Birth Cohort 1921 between 79 and 87 years. <i>Maturitas</i> , 2011 , 69, 373-6	5	14
75	Genetic basis of a cognitive complexity metric. <i>PLoS ONE</i> , 2015 , 10, e0123886	3.7	14
74	Health literacy, cognitive ability and smoking: a cross-sectional analysis of the English Longitudinal Study of Ageing. <i>BMJ Open</i> , 2018 , 8, e023929	3	14
73	Polygenic risk of ischemic stroke is associated with cognitive ability. <i>Neurology</i> , 2016 , 86, 611-8	6.5	13
72	Risk factors for dementia in the ninth decade of life and beyond: a study of the Lothian birth cohort 1921. <i>BMC Psychiatry</i> , 2017 , 17, 205	4.2	13
71	Height and intelligence in the Lothian Birth Cohort 1921: a longitudinal study. <i>Age and Ageing</i> , 2010 , 39, 272-5	3	13
70	Predictors of gait speed and its change over three years in community-dwelling older people. <i>Aging</i> , 2018 , 10, 144-153	5.6	13
69	Age-dependent DNA methylation patterns on the Y chromosome in elderly males. <i>Aging Cell</i> , 2020 , 19, e12907	9.9	13
68	Role of cognitive ability in the association between functional health literacy and mortality in the Lothian Birth Cohort 1936: a prospective cohort study. <i>BMJ Open</i> , 2018 , 8, e022502	3	13
67	Urinary incontinence in people with Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2014 , 29, 107-9	3.9	12
66	Profiles of physical, emotional and psychosocial wellbeing in the Lothian birth cohort 1936. <i>BMC Geriatrics</i> , 2012 , 12, 64	4.1	12
65	Blood pressure and ageing: longitudinal cohort study. <i>BMJ: British Medical Journal</i> , 1998 , 317, 513-4		12

64	DNA methylation age is associated with an altered hemostatic profile in a multiethnic meta-analysis. <i>Blood</i> , 2018 , 132, 1842-1850	2.2	11
63	Predicting incident dementia 3-8 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	1.2	11
62	Survival in early onset dementia: effects of urbanization and socio-economic deprivation. <i>Neuroepidemiology</i> , 1997 , 16, 134-40	5.4	11
61	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	7.3	10
60	Sleep and cognitive aging in the eighth decade of life. <i>Sleep</i> , 2019 , 42,	1.1	10
59	Personality and Other Lifelong Influences on Older-Age Health and Wellbeing: Preliminary Findings in Two Scottish Samples. <i>European Journal of Personality</i> , 2016 , 30, 438-455	5.1	10
58	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018 , 49, 1812-1819	6.7	10
57	APOE/TOMM40 genetic loci, white matter hyperintensities, and cerebral microbleeds. <i>International Journal of Stroke</i> , 2015 , 10, 1297-300	6.3	10
56	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, 749-52	3	10
55	Fluid intelligence, memory and blood pressure in cognitive aging. <i>Personality and Individual Differences</i> , 1998 , 25, 605-619	3.3	10
54	Sleep and brain morphological changes in the eighth decade of life. <i>Sleep Medicine</i> , 2020 , 65, 152-158	4.6	10
53	Personality Polygenes, Positive Affect, and Life Satisfaction. <i>Twin Research and Human Genetics</i> , 2016 , 19, 407-17	2.2	10
52	Predicting change in quality of life from age 79 to 90 in the Lothian Birth Cohort 1921. <i>Quality of Life Research</i> , 2019 , 28, 737-749	3.7	10
51	The attitudes to ageing questionnaire: Mokken scaling analysis. <i>PLoS ONE</i> , 2014 , 9, e99100	3.7	9
50	Do personality traits moderate the manifestation of type 2 diabetes genetic risk?. <i>Journal of Psychosomatic Research</i> , 2015 , 79, 303-8	4.1	9
49	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	2.5	9
48	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	5.6	9
47	Lower ankle-brachial index is related to worse cognitive performance in old age. <i>Neuropsychology</i> , 2014 , 28, 281-9	3.8	8

46	Renal function and cognition in the 1932 Scottish Mental Survey Lothian cohort. <i>Age and Ageing</i> , 2007 , 36, 323-5	3	8
45	Genetically defined elevated homocysteine levels do not result in widespread changes of DNA methylation in leukocytes. <i>PLoS ONE</i> , 2017 , 12, e0182472	3.7	8
44	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. <i>Nature Communications</i> , 2020 , 11, 800	17.4	8
43	Associations between hippocampal morphology, diffusion characteristics, and salivary cortisol in older men. <i>Psychoneuroendocrinology</i> , 2017 , 78, 151-158	5	7
42	Hippocampal morphology and cognitive functions in community-dwelling older people: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2017 , 52, 1-11	5.6	7
41	Longitudinal serum S100 β and brain aging in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2018 , 69, 274-282	5.6	7
40	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, 520-32	9.9	7
39	Cognitive ability does not predict objectively measured sedentary behavior: Evidence from three older cohorts. <i>Psychology and Aging</i> , 2018 , 33, 288-296	3.6	7
38	Perivascular spaces in the centrum semiovale at the beginning of the 8th decade of life: effect on cognition and associations with mineral deposition. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1865-1875	4.1	7
37	Fluid Intelligence Predicts Change in Depressive Symptoms in Later Life: The Lothian Birth Cohort 1936. <i>Psychological Science</i> , 2018 , 29, 1984-1995	7.9	7
36	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	4.2	6
35	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, 280-8	5.8	6
34	Skin Aging and Oxidative Stress 2014 , 15-22		6
33	Genetic diversity is a predictor of mortality in humans. <i>BMC Genetics</i> , 2014 , 15, 159	2.6	6
32	Does cognitive ability predict mortality in the ninth decade? The Lothian Birth Cohort 1921. <i>Intelligence</i> , 2012 , 40, 490-498	3	6
31	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, 1196-7	3.9	6
30	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	4.1	6
29	Assessment and treatment of dementia in medical patients. <i>Psychotherapy and Psychosomatics</i> , 2000 , 69, 59-69	9.4	6

28	Complex variation in measures of general intelligence and cognitive change. <i>PLoS ONE</i> , 2013 , 8, e81189	3.7	6
27	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020 , 12, 14092-14124	5.6	6
26	Ageing and epigenetics: linking neurodevelopmental and neurodegenerative disorders. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 1134-1138	3.3	5
25	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	3.7	5
24	GSTz1 genotype and cognitive ability. <i>Psychiatric Genetics</i> , 2008 , 18, 211-2	2.9	5
23	Predictors of tooth loss in the 1921 Lothian Birth Cohort. <i>Age and Ageing</i> , 2008 , 37, 111-4	3	5
22	Associations among height, body mass index and intelligence from age 11 to age 78 years. <i>BMC Geriatrics</i> , 2016 , 16, 167	4.1	5
21	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		5
20	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	5.2	4
19	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, 155-69	2.5	4
18	Blood pressure and mortality in healthy old people: the r shaped curve. <i>BMJ: British Medical Journal</i> , 1996 , 313, 1243-4		4
17	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	5.1	4
16	Fluctuating asymmetry in brain structure and general intelligence in 73-year-olds. <i>Intelligence</i> , 2020 , 78, 101407	3	4
15	Meta-analysis of epigenome-wide association studies of carotid intima-media thickness. <i>European Journal of Epidemiology</i> , 2021 , 36, 1143-1155	12.1	4
14	Potential effect of skull thickening on the associations between cognition and brain atrophy in ageing. <i>Age and Ageing</i> , 2014 , 43, 712-6	3	3
13	Renal function in a narrow-age cohort of adults at 79 and 87 years. <i>Age and Ageing</i> , 2010 , 39, 750-2	3	3
12	Blood pressure and cognition in the Aberdeen 1936 birth cohort. <i>Gerontology</i> , 2007 , 53, 432-7	5.5	3
11	Functional gene group analysis indicates no role for heterotrimeric G proteins in cognitive ability. <i>PLoS ONE</i> , 2014 , 9, e91690	3.7	3

10	Longitudinal associations between hearing loss and general cognitive ability: The Lothian Birth Cohort 1936. <i>Psychology and Aging</i> , 2019 , 34, 766-779	3.6	3
9	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	4.1	2
8	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	3.7	2
7	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	3	2
6	Variants associated with expression have sex-differential effects on lung function. <i>Wellcome Open Research</i> , 2020 , 5, 111	4.8	0
5	Rare and low-frequency exonic variants and gene-by-smoking interactions in pulmonary function. <i>Scientific Reports</i> , 2021 , 11, 19365	4.9	0
4	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	3.7	
3	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		
2	Present and Future Treatments of Alzheimer's Disease		
1	Treating acquired haemophilia: an ethical conundrum. <i>Age and Ageing</i> , 2000 , 29, 552	3	