

Simon R Cox

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

9,377
citations

108046

37
h-index

62345

84
g-index

188
all docs

188
docs citations

188
times ranked

16751
citing authors

#	ARTICLE	IF	CITATIONS
1	White matter, cognition and psychotic-like experiences in UK Biobank. <i>Psychological Medicine</i> , 2023, 53, 2370-2379.	2.7	4
2	Genetic variation, brain, and intelligence differences. <i>Molecular Psychiatry</i> , 2022, 27, 335-353.	4.1	57
3	Increase in anticholinergic burden from 1990 to 2015: Age-period-cohort analysis in UK biobank. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 983-993.	1.1	7
4	Associations between alcohol use and accelerated biological ageing. <i>Addiction Biology</i> , 2022, 27, e13100.	1.4	19
5	Blood-based epigenome-wide analyses of cognitive abilities. <i>Genome Biology</i> , 2022, 23, 26.	3.8	20
6	Epigenetic scores for the circulating proteome as tools for disease prediction. <i>ELife</i> , 2022, 11, .	2.8	37
7	Circulating Metabolome and White Matter Hyperintensities in Women and Men. <i>Circulation</i> , 2022, 145, 1040-1052.	1.6	17
8	Brain and cognitive ageing: The present, and some predictions (â€¦ about the future). <i>Aging Brain</i> , 2022, 2, 100032.	0.7	6
9	DNA methylation in relation to gestational age and brain dysmaturation in preterm infants. <i>Brain Communications</i> , 2022, 4, fcac056.	1.5	14
10	Mediterranean-Type Diet and Brain Structural Change from 73 to 79 Years in the Lothian Birth Cohort 1936. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 368-372.	1.5	1
11	DNA methylome-wide association study of genetic risk for depression implicates antigen processing and immune responses. <i>Genome Medicine</i> , 2022, 14, 36.	3.6	16
12	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	7.1	75
13	A comparison of blood and brain-derived ageing and inflammation-related DNA methylation signatures and their association with microglial burdens. <i>European Journal of Neuroscience</i> , 2022, 56, 5637-5649.	1.2	9
14	General factors of white matter microstructure from DTI and NODDI in the developing brain. <i>NeuroImage</i> , 2022, 254, 119169.	2.1	15
15	Association between anticholinergic burden and dementia in UK Biobank. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, e12290.	1.8	12
16	Structural neuroimaging measures and lifetime depression across levels of phenotyping in UK biobank. <i>Translational Psychiatry</i> , 2022, 12, 157.	2.4	7
17	Contribution of white matter hyperintensities to ventricular enlargement in older adults. <i>NeuroImage: Clinical</i> , 2022, 34, 103019.	1.4	4
18	Neuroinflammation in HIV-associated depression: evidence and future perspectives. <i>Molecular Psychiatry</i> , 2022, 27, 3619-3632.	4.1	16

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19	An epigenetic predictor of death captures multi-modal measures of brain health. <i>Molecular Psychiatry</i> , 2021, 26, 3806-3816.	4.1	77
20	Ageing-Sensitive Networks Within the Human Structural Connectome Are Implicated in Late-Life Cognitive Declines. <i>Biological Psychiatry</i> , 2021, 89, 795-806.	0.7	23
21	Hierarchical Complexity of the Macro-Scale Neonatal Brain. <i>Cerebral Cortex</i> , 2021, 31, 2071-2084.	1.6	18
22	Structural brain correlates of serum and epigenetic markers of inflammation in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 39-48.	2.0	53
23	Investigating the genetic architecture of noncognitive skills using GWAS-by-subtraction. <i>Nature Genetics</i> , 2021, 53, 35-44.	9.4	145
24	Three major dimensions of human brain cortical ageing in relation to cognitive decline across the eighth decade of life. <i>Molecular Psychiatry</i> , 2021, 26, 2651-2662.	4.1	29
25	Home garden use during COVID-19: Associations with physical and mental wellbeing in older adults. <i>Journal of Environmental Psychology</i> , 2021, 73, 101545.	2.3	151
26	Epigenetic predictors of lifestyle traits applied to the blood and brain. <i>Brain Communications</i> , 2021, 3, fcab082.	1.5	6
27	Variation in VKORC1 Is Associated with Vascular Dementia. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1329-1337.	1.2	5
28	Comparison of structural MRI brain measures between 1.5 and 3T: Data from the Lothian Birth Cohort 1936. <i>Human Brain Mapping</i> , 2021, 42, 3905-3921.	1.9	11
29	Impact of COVID-19 lockdown on psychosocial factors, health, and lifestyle in Scottish octogenarians: The Lothian Birth Cohort 1936 study. <i>PLoS ONE</i> , 2021, 16, e0253153.	1.1	12
30	Cerebral small vessel disease burden and longitudinal cognitive decline from age 73 to 82: the Lothian Birth Cohort 1936. <i>Translational Psychiatry</i> , 2021, 11, 376.	2.4	19
31	Associations between total MRI-visible small vessel disease burden and domain-specific cognitive abilities in a community-dwelling older-age cohort. <i>Neurobiology of Aging</i> , 2021, 105, 25-34.	1.5	5
32	Early life predictors of late life cerebral small vessel disease in four prospective cohort studies. <i>Brain</i> , 2021, 144, 3769-3778.	3.7	21
33	Spectral clustering based on structural magnetic resonance imaging and its relationship with major depressive disorder and cognitive ability. <i>European Journal of Neuroscience</i> , 2021, 54, 6281-6303.	1.2	5
34	Relationship between inferior frontal sulcal hyperintensities on brain MRI, ageing and cerebral small vessel disease. <i>Neurobiology of Aging</i> , 2021, 106, 130-138.	1.5	5
35	Birth weight is associated with brain tissue volumes seven decades later but not with MRI markers of brain ageing. <i>NeuroImage: Clinical</i> , 2021, 31, 102776.	1.4	14
36	Change in Physical Activity, Sleep Quality, and Psychosocial Variables during COVID-19 Lockdown: Evidence from the Lothian Birth Cohort 1936. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 210.	1.2	47

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37	The genetic and epigenetic profile of serum $\text{A}\beta_{100}$ in the Lothian Birth Cohort 1936 and its relationship to Alzheimer's disease. Wellcome Open Research, 2021, 6, 306.	0.9	1
38	DNA Methylation and Protein Markers of Chronic Inflammation and Their Associations With Brain and Cognitive Aging. Neurology, 2021, 97, e2340-e2352.	1.5	44
39	Association of low-frequency and rare coding variants with information processing speed. Translational Psychiatry, 2021, 11, 613.	2.4	2
40	Epigenome-wide association study of serum urate reveals insights into urate co-regulation and the SLC2A9 locus. Nature Communications, 2021, 12, 7173.	5.8	8
41	Meta-analyses identify DNA methylation associated with kidney function and damage. Nature Communications, 2021, 12, 7174.	5.8	30
42	Polygenic predictors of age-related decline in cognitive ability. Molecular Psychiatry, 2020, 25, 2584-2598.	4.1	38
43	Association between APOE e4 and white matter hyperintensity volume, but not total brain volume or white matter integrity. Brain Imaging and Behavior, 2020, 14, 1468-1476.	1.1	62
44	Stratifying major depressive disorder by polygenic risk for schizophrenia in relation to structural brain measures. Psychological Medicine, 2020, 50, 1653-1662.	2.7	13
45	Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. Cerebral Cortex, 2020, 30, 575-586.	1.6	13
46	Sleep and brain morphological changes in the eighth decade of life. Sleep Medicine, 2020, 65, 152-158.	0.8	27
47	Fluctuating asymmetry in brain structure and general intelligence in 73-year-olds. Intelligence, 2020, 78, 101407.	1.6	9
48	Dietary patterns, cognitive function, and structural neuroimaging measures of brain aging. Experimental Gerontology, 2020, 142, 111117.	1.2	23
49	Pipeline comparisons of convolutional neural networks for structural connectomes: predicting sex across 3,152 participants. , 2020, 2020, 1692-1695.		4
50	An automated machine learning approach to predict brain age from cortical anatomical measures. Human Brain Mapping, 2020, 41, 3555-3566.	1.9	29
51	DNA methylation and brain structure and function across the life course: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 113, 133-156.	2.9	47
52	Generation of twenty four induced pluripotent stem cell lines from twenty four members of the Lothian Birth Cohort 1936. Stem Cell Research, 2020, 46, 101851.	0.3	16
53	Cognitive functioning and lifetime major depressive disorder in UK Biobank. European Psychiatry, 2020, 63, e28.	0.1	13
54	Polygenic Architecture of Human Neuroanatomical Diversity. Cerebral Cortex, 2020, 30, 2307-2320.	1.6	16

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55	The effect of network thresholding and weighting on structural brain networks in the UK Biobank. <i>NeuroImage</i> , 2020, 211, 116443.	2.1	88
56	Psychotic-like experiences, polygenic risk scores for schizophrenia, and structural properties of the salience, default mode, and central-executive networks in healthy participants from UK Biobank. <i>Translational Psychiatry</i> , 2020, 10, 122.	2.4	22
57	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. <i>Nature Communications</i> , 2020, 11, 800.	5.8	42
58	Structural brain imaging correlates of general intelligence in UK Biobank. <i>Intelligence</i> , 2019, 76, 101376.	1.6	119
59	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. <i>Frontiers in Psychiatry</i> , 2019, 10, 524.	1.3	33
60	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.	2.4	34
61	White Matter Microstructure and Its Relation to Longitudinal Measures of Depressive Symptoms in Mid- and Late Life. <i>Biological Psychiatry</i> , 2019, 86, 759-768.	0.7	31
62	Sleep and cognitive aging in the eighth decade of life. <i>Sleep</i> , 2019, 42, .	0.6	32
63	Impact of Polygenic Risk for Schizophrenia on Cortical Structure in UK Biobank. <i>Biological Psychiatry</i> , 2019, 86, 536-544.	0.7	62
64	Associations between vascular risk factors and brain MRI indices in UK Biobank. <i>European Heart Journal</i> , 2019, 40, 2290-2300.	1.0	204
65	Individual differences in cognitive processes underlying Trail Making Test-B performance in old age: The Lothian Birth Cohort 1936. <i>Intelligence</i> , 2019, 75, 23-32.	1.6	16
66	Theory of mind and psychosocial characteristics in older men.. <i>Psychology and Aging</i> , 2019, 34, 145-151.	1.4	16
67	Hierarchical complexity of the adult human structural connectome. <i>NeuroImage</i> , 2019, 191, 205-215.	2.1	16
68	Association of Whole-Genome and NETRIN1 Signaling Pathwayâ€Derived Polygenic Risk Scores for Major Depressive Disorder and White Matter Microstructure in the UK Biobank. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 91-100.	1.1	16
69	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	2.6	106
70	Coupled changes in hippocampal structure and cognitive ability in later life. <i>Brain and Behavior</i> , 2018, 8, e00838.	1.0	21
71	Widespread associations between trait conscientiousness and thickness of brain cortical regions. <i>NeuroImage</i> , 2018, 176, 22-28.	2.1	22
72	Brain age predicts mortality. <i>Molecular Psychiatry</i> , 2018, 23, 1385-1392.	4.1	513

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73	Healthy cognitive ageing in the Lothian Birth Cohort studies: marginal gains not magic bullet. <i>Psychological Medicine</i> , 2018, 48, 187-207.	2.7	51
74	Brain cortical characteristics of lifetime cognitive ageing. <i>Brain Structure and Function</i> , 2018, 223, 509-518.	1.2	44
75	Cognitive abilities, brain white matter hyperintensity volume, and structural network connectivity in older age. <i>Human Brain Mapping</i> , 2018, 39, 622-632.	1.9	41
76	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.	1.5	11
77	Polygenic risk score for schizophrenia and structural brain connectivity in older age: A longitudinal connectome and tractography study. <i>NeuroImage</i> , 2018, 183, 884-896.	2.1	34
78	Association between carotid atheroma and cerebral cortex structure at age 73 years. <i>Annals of Neurology</i> , 2018, 84, 576-587.	2.8	20
79	Characteristics of a Protocol to Collect Objective Physical Activity/Sedentary Behavior Data in a Large Study: Seniors USP (Understanding Sedentary Patterns). <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 26-31.	0.5	34
80	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	5.8	484
81	Sex Differences in the Adult Human Brain: Evidence from 5216 UK Biobank Participants. <i>Cerebral Cortex</i> , 2018, 28, 2959-2975.	1.6	594
82	Resting-State Connectivity and Its Association With Cognitive Performance, Educational Attainment, and Household Income in the UK Biobank. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 878-886.	1.1	46
83	Longitudinal serum S100 β and brain aging in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2018, 69, 274-282.	1.5	13
84	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.	1.1	7
85	Cognitive ability does not predict objectively measured sedentary behavior: Evidence from three older cohorts. <i>Psychology and Aging</i> , 2018, 33, 288-296.	1.4	12
86	Genetic contributions to Trail Making Test performance in UK Biobank. <i>Molecular Psychiatry</i> , 2018, 23, 1575-1583.	4.1	21
87	Stress in childhood, adolescence and early adulthood, and cortisol levels in older age. <i>Stress</i> , 2017, 20, 140-148.	0.8	5
88	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , 2017, 153, 399-409.	2.1	13
89	Association of polygenic risk for major psychiatric illness with subcortical volumes and white matter integrity in UK Biobank. <i>Scientific Reports</i> , 2017, 7, 42140.	1.6	98
90	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.	2.1	25

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91	Risk and protective factors for structural brain ageing in the eighth decade of life. <i>Brain Structure and Function</i> , 2017, 222, 3477-3490.	1.2	40
92	Brain grey and white matter predictors of verbal ability traits in older age: The Lothian Birth Cohort 1936. <i>NeuroImage</i> , 2017, 156, 394-402.	2.1	21
93	Associations between hippocampal morphology, diffusion characteristics, and salivary cortisol in older men. <i>Psychoneuroendocrinology</i> , 2017, 78, 151-158.	1.3	9
94	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.	2.4	13
95	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.	1.5	20
96	Hippocampal morphology and cognitive functions in community-dwelling older people: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2017, 52, 1-11.	1.5	14
97	Mediterranean-type diet and brain structural change from 73 to 76 years in a Scottish cohort. <i>Neurology</i> , 2017, 88, 449-455.	1.5	109
98	Central and non-central networks, cognition, clinical symptoms, and polygenic risk scores in schizophrenia. <i>Human Brain Mapping</i> , 2017, 38, 5919-5930.	1.9	26
99	Cognitive ability across the life course and cortisol levels in older age. <i>Neurobiology of Aging</i> , 2017, 59, 64-71.	1.5	9
100	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.	1.1	87
101	Single Nucleotide Polymorphisms Associated with Reading Ability Show Connection to Socio-Economic Outcomes. <i>Behavior Genetics</i> , 2017, 47, 469-479.	1.4	13
102	Subcortical volume and white matter integrity abnormalities in major depressive disorder: findings from UK Biobank imaging data. <i>Scientific Reports</i> , 2017, 7, 5547.	1.6	91
103	A latent measure explains substantial variance in white matter microstructure across the newborn human brain. <i>Brain Structure and Function</i> , 2017, 222, 4023-4033.	1.2	42
104	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.	1.4	33
105	Volumetric and Correlational Implications of Brain Parcellation Method Selection. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 53-60.	0.5	1
106	Ageing and brain white matter structure in 3,513 UK Biobank participants. <i>Nature Communications</i> , 2016, 7, 13629.	5.8	373
107	Genome-wide association study of cognitive functions and educational attainment in UK Biobank (N=112,151). <i>Molecular Psychiatry</i> , 2016, 21, 758-767.	4.1	317
108	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.	2.2	37

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109	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. <i>Nature Genetics</i> , 2016, 48, 624-633.	9.4	870
110	Trait conscientiousness and the personality meta-trait stability are associated with regional white matter microstructure. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1255-1261.	1.5	18
111	Predictors of ageing-related decline across multiple cognitive functions. <i>Intelligence</i> , 2016, 59, 115-126.	1.6	112
112	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. <i>Neurology</i> , 2016, 87, 1820-1826.	1.5	46
113	Getting Spearman off the Skyhook: One More in a Century (Since Thomson, 1916) of Attempts to Vanquish ρ . <i>Psychological Inquiry</i> , 2016, 27, 192-199.	0.4	45
114	Bilingualism, social cognition and executive functions: A tale of chickens and eggs. <i>Neuropsychologia</i> , 2016, 91, 299-306.	0.7	53
115	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. <i>Nature Genetics</i> , 2016, 48, 1462-1472.	9.4	284
116	Information processing speed mediates the relationship between white matter and general intelligence in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 26-33.	0.9	20
117	Vascular risk factors and progression of white matter hyperintensities in the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2016, 42, 116-123.	1.5	72
118	Common polygenic risk for autism spectrum disorder (ASD) is associated with cognitive ability in the general population. <i>Molecular Psychiatry</i> , 2016, 21, 419-425.	4.1	145
119	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. <i>Stroke</i> , 2016, 47, 410-416.	1.0	35
120	Brain white matter structure and information processing speed in healthy older age. <i>Brain Structure and Function</i> , 2016, 221, 3223-3235.	1.2	75
121	Early life characteristics and late life burden of cerebral small vessel disease in the Lothian Birth Cohort 1936. <i>Aging</i> , 2016, 8, 2039-2061.	1.4	20
122	Coupled Changes in Brain White Matter Microstructure and Fluid Intelligence in Later Life. <i>Journal of Neuroscience</i> , 2015, 35, 8672-8682.	1.7	97
123	Brain volumetric changes and cognitive ageing during the eighth decade of life. <i>Human Brain Mapping</i> , 2015, 36, 4910-4925.	1.9	79
124	Does white matter structure or hippocampal volume mediate associations between cortisol and cognitive ageing?. <i>Psychoneuroendocrinology</i> , 2015, 62, 129-137.	1.3	26
125	Brain white matter integrity and cortisol in older men: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2015, 36, 257-264.	1.5	28
126	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015, 16, 25.	3.8	928

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127	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.	0.9	472
128	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.	2.4	25
129	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.	1.1	19
130	A systematic review of brain frontal lobe parcellation techniques in magnetic resonance imaging. <i>Brain Structure and Function</i> , 2014, 219, 1-22.	1.2	37
131	Genetic and environmental exposures constrain epigenetic drift over the human life course. <i>Genome Research</i> , 2014, 24, 1725-1733.	2.4	152
132	Correlational structure of "frontal" tests and intelligence tests indicates two components with asymmetrical neurostructural correlates in old age. <i>Intelligence</i> , 2014, 46, 94-106.	1.6	13
133	Assessing the Performance of Atlas-Based Prefrontal Brain Parcellation in an Aging Cohort. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 257-264.	0.5	8
134	The genetic and epigenetic profile of serum β -microglobulin in the Lothian Birth Cohort 1936 and its relationship to Alzheimer's disease. <i>Wellcome Open Research</i> , 0, 6, 306.	0.9	0