

Lawrence J Whalley

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

7,687
citations

66234

42
h-index

53109

85
g-index

104
all docs

104
docs citations

104
times ranked

9565
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	693
2	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.	1.6	411
3	Longitudinal cohort study of childhood IQ and survival up to age 76. <i>BMJ: British Medical Journal</i> , 2001, 322, 819-819.	2.4	405
4	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.	1.1	399
5	Cognitive reserve and the neurobiology of cognitive aging. <i>Ageing Research Reviews</i> , 2004, 3, 369-382.	5.0	372
6	A life-course approach to the aetiology of late-onset dementias. <i>Lancet Neurology</i> , The, 2006, 5, 87-96.	4.9	278
7	Cognitive change and the APOE ϵ 4 allele. <i>Nature</i> , 2002, 418, 932-932.	13.7	267
8	Homocysteine, B vitamin status, and cognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 908-913.	2.2	231
9	Genetic contributions to stability and change in intelligence from childhood to old age. <i>Nature</i> , 2012, 482, 212-215.	13.7	228
10	What provides cerebral reserve?. <i>Brain</i> , 2004, 127, 1191-1199.	3.7	217
11	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.	1.3	193
12	Brain White Matter Hyperintensities: Relative Importance of Vascular Risk Factors in Nondemented Elderly People. <i>Radiology</i> , 2005, 237, 251-257.	3.6	184
13	The association between telomere length, physical health, cognitive ageing, and mortality in non-demented older people. <i>Neuroscience Letters</i> , 2006, 406, 260-264.	1.0	172
14	Social Support and Successful Aging. <i>Journal of Individual Differences</i> , 2007, 28, 103-115.	0.5	164
15	ω -3 Fatty acid erythrocyte membrane content, APOE ϵ 4, and cognitive variation: an observational follow-up study in late adulthood. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 449-454.	2.2	164
16	Childhood socioeconomic status and adult brain size: Childhood socioeconomic status influences adult hippocampal size. <i>Annals of Neurology</i> , 2012, 71, 653-660.	2.8	144
17	Childhood Socioeconomic Position and Objectively Measured Physical Capability Levels in Adulthood: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2011, 6, e15564.	1.1	121
18	Mortality of a Lithium-Treated Population. <i>British Journal of Psychiatry</i> , 1984, 145, 277-282.	1.7	107

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19	The balance between cognitive reserve and brain imaging biomarkers of cerebrovascular and Alzheimer's diseases. <i>Brain</i> , 2011, 134, 3687-3696.	3.7	107
20	Cognitive aging, childhood intelligence, and the use of food supplements: possible involvement of nã³ fatty acids. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 1650-1657.	2.2	104
21	Physical fitness and lifetime cognitive change. <i>Neurology</i> , 2006, 67, 1195-1200.	1.5	102
22	The ongoing adaptive evolution of ASPM and Microcephalin is not explained by increased intelligence. <i>Human Molecular Genetics</i> , 2007, 16, 600-608.	1.4	93
23	Childhood mental ability and blood pressure at midlife. <i>Journal of Hypertension</i> , 2004, 22, 893-897.	0.3	90
24	Cerebral white matter abnormalities and lifetime cognitive change: A 67-year follow-up of the Scottish Mental Survey of 1932.. <i>Psychology and Aging</i> , 2003, 18, 140-148.	1.4	83
25	KLOTHO genotype and cognitive ability in childhood and old age in the same individuals. <i>Neuroscience Letters</i> , 2005, 378, 22-27.	1.0	81
26	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.	1.0	81
27	Raised Plasma Cortisol Concentrations a Feature of Drug-Free Psychotics and not Specific for Depression. <i>British Journal of Psychiatry</i> , 1986, 148, 58-65.	1.7	77
28	Neuropsychologic Correlates of Brain White Matter Lesions Depicted on MR Images: 1921 Aberdeen Birth Cohort. <i>Radiology</i> , 2001, 221, 51-55.	3.6	74
29	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.	1.4	70
30	The Association between Retinal Vascular Network Geometry and Cognitive Ability in an Elderly Population. , 2007, 48, 1995.		70
31	Searching for genetic influences on normal cognitive ageing. <i>Trends in Cognitive Sciences</i> , 2004, 8, 178-184.	4.0	69
32	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
33	Association of KIBRA and memory. <i>Neuroscience Letters</i> , 2009, 458, 140-143.	1.0	66
34	COMT genotype and cognitive ability: A longitudinal aging study. <i>Neuroscience Letters</i> , 2007, 421, 57-61.	1.0	65
35	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.	1.2	63
36	Persistence of the Decline in the Diagnosis of Schizophrenia Among First Admissions to Scottish Hospitals from 1969 to 1988. <i>British Journal of Psychiatry</i> , 1993, 163, 620-626.	1.7	61

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37	Smoking and cognitive change from age 11 to 66years: A confirmatory investigation. Addictive Behaviors, 2007, 32, 63-68.	1.7	58
38	Selective effects of ECT on hypothalamic-pituitary activity. Psychological Medicine, 1987, 17, 319-328.	2.7	52
39	Childhood IQ, smoking, and cognitive change from age 11 to 64 years. Addictive Behaviors, 2005, 30, 77-88.	1.7	52
40	Anticholinergic Drugs in Late Life: Adverse Effects on Cognition but not on Progress to Dementia. Journal of Alzheimer's Disease, 2012, 30, 253-261.	1.2	50
41	Brain structural complexity and life course cognitive change. NeuroImage, 2012, 61, 694-701.	2.1	50
42	Cognitive Function in Childhood and Lifetime Cognitive Change in Relation to Mental Wellbeing in Four Cohorts of Older People. PLoS ONE, 2012, 7, e44860.	1.1	45
43	Inter-individual Differences in fMRI Entropy Measurements in Old Age. IEEE Transactions on Biomedical Engineering, 2011, 58, 3206-3214.	2.5	44
44	Generality and specificity in cognitive aging: A volumetric brain analysis. NeuroImage, 2006, 30, 1433-1440.	2.1	43
45	Predictors and correlates of edentulism in the healthy old people in Edinburgh (HOPE) study. Gerodontology, 2008, 25, 199-204.	0.8	43
46	Genetic influences on oxidative stress and their association with normal cognitive ageing. Neuroscience Letters, 2005, 386, 116-120.	1.0	42
47	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. Maturitas, 2011, 69, 365-372.	1.0	42
48	Is retaining the youthful functional anatomy underlying speed of information processing a signature of successful cognitive ageing? An event-related fMRI study of inspection time performance. NeuroImage, 2008, 41, 581-595.	2.1	41
49	The Cognitive Cost of Being a Twin: Two Whole-Population Surveys. Twin Research and Human Genetics, 2005, 8, 376-383.	0.3	37
50	Large, Consistent Estimates of the Heritability of Cognitive Ability in Two Entire Populations of 11-Year-Old Twins from Scottish Mental Surveys of 1932 and 1947. Behavior Genetics, 2005, 35, 525-534.	1.4	37
51	The quantification of the relative effects of age and NART-predicted IQ on cognitive function in healthy old people. International Journal of Geriatric Psychiatry, 1992, 7, 153-157.	1.3	34
52	Lack of association between polymorphisms in angiotensin-converting-enzyme and methylenetetrahydrofolate reductase genes and normal cognitive ageing in humans. Neuroscience Letters, 2003, 347, 175-178.	1.0	34
53	The influence of the $\epsilon 4$ allele of the apolipoprotein E gene on childhood IQ, nonverbal reasoning in old age, and lifetime cognitive change. Intelligence, 2003, 31, 85-92.	1.6	33
54	Does childhood intelligence predict variation in cognitive change in later life?. Personality and Individual Differences, 2007, 42, 1551-1559.	1.6	32

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55	Age at natural menopause and cognition. <i>Maturitas</i> , 2004, 49, 148-156.	1.0	31
56	Human Intelligence and Polymorphisms in the DNA Methyltransferase Genes Involved in Epigenetic Marking. <i>PLoS ONE</i> , 2010, 5, e11329.	1.1	31
57	Genetic enhancement of cognition in a kindred with cone-rod dystrophy due to RIMS1 mutation. <i>Journal of Medical Genetics</i> , 2007, 44, 373-380.	1.5	29
58	Associations between childhood intelligence (IQ), adult morbidity and mortality. <i>Maturitas</i> , 2010, 65, 98-105.	1.0	29
59	Epidemiology of Presenile Alzheimer's Disease in Scotland (1974-88). <i>British Journal of Psychiatry</i> , 1995, 167, 732-738.	1.7	28
60	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. <i>Age</i> , 2012, 34, 451-459.	3.0	27
61	Epidemiology of Presenile Alzheimer's Disease in Scotland (1974-88). <i>British Journal of Psychiatry</i> , 1995, 167, 728-731.	1.7	26
62	Cerebral correlates of cognitive reserve. <i>Psychiatry Research - Neuroimaging</i> , 2016, 247, 65-70.	0.9	26
63	Increased diastolic blood pressure is associated with MRI biomarkers of dementia-related brain pathology in normative ageing. <i>Age and Ageing</i> , 2018, 47, 95-100.	0.7	26
64	Nicastrin gene polymorphisms, cognitive ability level and cognitive ageing. <i>Neuroscience Letters</i> , 2005, 373, 110-114.	1.0	24
65	How useful are the SF-36 sub-scales in older people? Mokken scaling of data from the HALCYon programme. <i>Quality of Life Research</i> , 2011, 20, 1005-1010.	1.5	24
66	Evolutionary conserved longevity genes and human cognitive abilities in elderly cohorts. <i>European Journal of Human Genetics</i> , 2012, 20, 341-347.	1.4	24
67	Quality of life and its correlates in octogenarians. Use of the SEIQoL-DW in Wave 5 of the Aberdeen Birth Cohort 1921 Study (ABC1921). <i>Quality of Life Research</i> , 2008, 17, 11-20.	1.5	23
68	Exploring possible neural mechanisms of intelligence differences using processing speed and working memory tasks: An fMRI study. <i>Intelligence</i> , 2009, 37, 199-206.	1.6	23
69	Genetic determinants of ageing processes and diseases in later life. <i>Maturitas</i> , 2009, 62, 225-229.	1.0	22
70	Klotho, APOE μ 4, cognitive ability, brain size, atrophy, and survival: a study in the Aberdeen Birth Cohort of 1936. <i>Neurobiology of Aging</i> , 2017, 55, 91-98.	1.5	22
71	Lipids and schizophrenia. <i>British Journal of Psychiatry</i> , 1999, 174, 101-104.	1.7	21
72	Early-onset Alzheimer's disease in Scotland: environmental and familial factors. <i>British Journal of Psychiatry</i> , 2001, 178, s53-s59.	1.7	21

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73	Brain ageing and dementia: what makes the difference?. <i>British Journal of Psychiatry</i> , 2002, 181, 369-371.	1.7	21
74	Childhood IQ and social factors on smoking behaviour, lung function and smoking-related outcomes in adulthood: Linking the Scottish Mental Survey 1932 and the Midspan studies. <i>British Journal of Health Psychology</i> , 2005, 10, 399-410.	1.9	21
75	Homocysteine, antioxidant micronutrients and late onset dementia. <i>European Journal of Nutrition</i> , 2014, 53, 277-285.	1.8	20
76	PPARG Pro12Ala genotype and risk of cognitive decline in elders? Maybe with diabetes. <i>Neuroscience Letters</i> , 2008, 434, 50-55.	1.0	19
77	Brain Volume and Survival from Age 78 to 85: The Contribution of Alzheimer's Type Magnetic Resonance Imaging Findings. <i>Journal of the American Geriatrics Society</i> , 2010, 58, 688-695.	1.3	19
78	Genetic and environmental factors in late onset dementia: possible role for early parental death. <i>International Journal of Geriatric Psychiatry</i> , 2013, 28, 75-81.	1.3	16
79	Diet and dementia. <i>The Journal of the British Menopause Society</i> , 2004, 10, 113-117.	1.3	15
80	Spatial Distribution and Secular Trends in the Epidemiology of Alzheimer's Disease. <i>Neuroimaging Clinics of North America</i> , 2012, 22, 1-10.	0.5	15
81	Polymorphisms in the gene encoding 11 β -hydroxysteroid dehydrogenase type 1 (HSD11B1) and lifetime cognitive change. <i>Neuroscience Letters</i> , 2006, 393, 74-77.	1.0	14
82	No association of CETP genotype with cognitive function or age-related cognitive change. <i>Neuroscience Letters</i> , 2007, 420, 189-192.	1.0	12
83	DEPRESSIVE SYMPTOMS IN LATE LIFE AND CEREBROVASCULAR DISEASE: THE IMPORTANCE OF INTELLIGENCE AND LESION LOCATION. <i>Depression and Anxiety</i> , 2013, 30, 77-84.	2.0	12
84	A comparison of measurement methods of hippocampal atrophy rate for predicting Alzheimer's dementia in the Aberdeen Birth Cohort of 1936. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 6, 31-39.	1.2	12
85	Social support in later life: Examining the roles of childhood and adulthood cognition. <i>Personality and Individual Differences</i> , 2007, 43, 937-948.	1.6	10
86	Late-life deficits in cognitive, physical and emotional functions, childhood intelligence and occupational profile: a life-course examination of the Aberdeen 1936 Birth Cohort (ABC1936). <i>Age and Ageing</i> , 2016, 45, 486-493.	0.7	10
87	Testing replication of a 5-SNP set for general cognitive ability in six population samples. <i>European Journal of Human Genetics</i> , 2008, 16, 1388-1395.	1.4	8
88	Solvent exposure and cognitive ability at age 67: a follow-up study of the 1947 Scottish Mental Survey. <i>Occupational and Environmental Medicine</i> , 2010, 67, 401-407.	1.3	8
89	A Neuroendocrine View of ECT. <i>British Journal of Psychiatry</i> , 1990, 157, 740-743.	1.7	7
90	Predictors of tooth loss in the 1921 Lothian Birth Cohort. <i>Age and Ageing</i> , 2007, 37, 111-114.	0.7	7

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91	Human culture and the future dementia epidemic. <i>Neurology</i> , 2013, 80, 1824-1825.	1.5	7
92	Commentary: Childhood education and disparities in adult health—the need for improved theories and better data. <i>International Journal of Epidemiology</i> , 2006, 35, 466-467.	0.9	6
93	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.	1.2	6
94	The release of oxytocin, vasopressin and associated neurophysins after electroconvulsive therapy. <i>Human Psychopharmacology</i> , 1991, 6, 161-164.	0.7	5
95	Blood Pressure and Cognition in the Aberdeen 1936 Birth Cohort. <i>Gerontology</i> , 2007, 53, 432-437.	1.4	4
96	Aspirin moderates the association between cardiovascular risk, brain white matter hyperintensity total lesion volume and processing speed in normal ageing. <i>Maturitas</i> , 2020, 133, 49-53.	1.0	4
97	Functional Gene Group Analysis Indicates No Role for Heterotrimeric G Proteins in Cognitive Ability. <i>PLoS ONE</i> , 2014, 9, e91690.	1.1	3
98	RE: "RELATION OF EDUCATION AND OCCUPATION-BASED SOCIOECONOMIC STATUS TO INCIDENT ALZHEIMER'S DISEASE". <i>American Journal of Epidemiology</i> , 2004, 160, 404-405.	1.6	2
99	Aspirin and cognitive function. <i>BMJ: British Medical Journal</i> , 2007, 334, 961-962.	2.4	2
100	Cognitive Test Scores and Progressive Cognitive Decline in the Aberdeen 1921 and 1936 Birth Cohorts. <i>Brain Sciences</i> , 2022, 12, 318.	1.1	1
101	Are gender-specific approaches required to prevent dementia?. <i>Maturitas</i> , 2016, 92, 7-8.	1.0	0
102	Cognitive Screening in Aging Physicians. <i>Neurology: Clinical Practice</i> , 2021, 11, 89-90.	0.8	0