

# Narelle K Hansell

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

10,455  
citations

46984

47  
h-index

39638

94  
g-index

115  
all docs

115  
docs citations

115  
times ranked

14976  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.4	893
2	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	13.7	772
3	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	9.4	594
4	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	5.8	484
5	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	6.0	450
6	Meta-analysis of genome-wide association studies for personality. <i>Molecular Psychiatry</i> , 2012, 17, 337-349.	4.1	340
7	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	3.3	299
8	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2015, 72, 642.	6.0	289
9	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	5.8	250
10	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.	3.3	244
11	Childhood intelligence is heritable, highly polygenic and associated with FBNP1L. <i>Molecular Psychiatry</i> , 2014, 19, 253-258.	4.1	241
12	Common Variants in the Trichohyalin Gene Are Associated with Straight Hair in Europeans. <i>American Journal of Human Genetics</i> , 2009, 85, 750-755.	2.6	230
13	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	7.1	213
14	Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , 2012, 44, 545-551.	9.4	212
15	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	7.1	204
16	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	9.4	192
17	Associations of ADH and ALDH2 gene variation with self report alcohol reactions, consumption and dependence: an integrated analysis. <i>Human Molecular Genetics</i> , 2009, 18, 580-593.	1.4	187
18	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. <i>Behavior Genetics</i> , 2016, 46, 170-182.	1.4	178

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19	Autism-related dietary preferences mediate autism-gut microbiome associations. <i>Cell</i> , 2021, 184, 5916-5931.e17.	13.5	172
20	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
21	Genome-wide scan of healthy human connectome discovers <i>SPON1</i> gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4768-4773.	3.3	141
22	The Nature of Nurture: Using a Virtual-Parent Design to Test Parenting Effects on Children's Educational Attainment in Genotyped Families. <i>Twin Research and Human Genetics</i> , 2018, 21, 73-83.	0.3	134
23	Common Genetic Variants near the Brittle Cornea Syndrome Locus ZNF469 Influence the Blinding Disease Risk Factor Central Corneal Thickness. <i>PLoS Genetics</i> , 2010, 6, e1000947.	1.5	130
24	Genetics of Cognition: Outline of a Collaborative Twin Study. <i>Twin Research and Human Genetics</i> , 2001, 4, 48-56.	1.3	125
25	Genetic variation of individual alpha frequency (IAF) and alpha power in a large adolescent twin sample. <i>International Journal of Psychophysiology</i> , 2006, 61, 235-243.	0.5	118
26	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. <i>Neurobiology of Aging</i> , 2016, 40, 68-77.	1.5	115
27	BDNF gene effects on brain circuitry replicated in 455 twins. <i>NeuroImage</i> , 2011, 55, 448-454.	2.1	110
28	Harmonization of Neuroticism and Extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: an application of Item Response Theory. <i>Behavior Genetics</i> , 2014, 44, 295-313.	1.4	103
29	A Genomewide Association Study of Nicotine and Alcohol Dependence in Australian and Dutch Populations. <i>Twin Research and Human Genetics</i> , 2010, 13, 10-29.	0.3	98
30	A genome-wide association study for reading and language abilities in two population cohorts. <i>Genes, Brain and Behavior</i> , 2013, 12, 645-652.	1.1	98
31	Meta-analysis of genome-wide association studies identifies common variants in CTNNA2 associated with excitement-seeking. <i>Translational Psychiatry</i> , 2011, 1, e49-e49.	2.4	97
32	Common and specific genetic influences on EEG power bands delta, theta, alpha, and beta. <i>Biological Psychology</i> , 2007, 75, 154-164.	1.1	92
33	Discovery and replication of gene influences on brain structure using LASSO regression. <i>Frontiers in Neuroscience</i> , 2012, 6, 115.	1.4	91
34	The genetic association between personality and major depression or bipolar disorder. A polygenic score analysis using genome-wide association data. <i>Translational Psychiatry</i> , 2011, 1, e50-e50.	2.4	90
35	Alcohol Consumption Indices of Genetic Risk for Alcohol Dependence. <i>Biological Psychiatry</i> , 2009, 66, 795-800.	0.7	88
36	Genetic contribution to individual variation in binocular rivalry rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2664-2668.	3.3	82

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37	Genetics of Cognition: Outline of a Collaborative Twin Study. <i>Twin Research and Human Genetics</i> , 2001, 4, 48-56.	1.3	77
38	Genetic co-morbidity between neuroticism, anxiety/depression and somatic distress in a population sample of adolescent and young adult twins. <i>Psychological Medicine</i> , 2012, 42, 1249-1260.	2.7	73
39	Genetic Complexity of Cortical Structure: Differences in Genetic and Environmental Factors Influencing Cortical Surface Area and Thickness. <i>Cerebral Cortex</i> , 2019, 29, 952-962.	1.6	73
40	Whole genome association scan for genetic polymorphisms influencing information processing speed. <i>Biological Psychology</i> , 2011, 86, 193-202.	1.1	70
41	Heritability of Head Size in Dutch and Australian Twin Families at Ages 0-50 Years. <i>Twin Research and Human Genetics</i> , 2010, 13, 370-380.	0.3	69
42	Bladder neck mobility is a heritable trait. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005, 112, 334-339.	1.1	67
43	Human cognitive ability is influenced by genetic variation in components of postsynaptic signalling complexes assembled by NMDA receptors and MAGUK proteins. <i>Translational Psychiatry</i> , 2014, 4, e341-e341.	2.4	63
44	Genome-wide autozygosity is associated with lower general cognitive ability. <i>Molecular Psychiatry</i> , 2016, 21, 837-843.	4.1	62
45	Short telomere length is associated with impaired cognitive performance in European ancestry cohorts. <i>Translational Psychiatry</i> , 2017, 7, e1100-e1100.	2.4	61
46	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	5.8	61
47	Heritability of the network architecture of intrinsic brain functional connectivity. <i>NeuroImage</i> , 2015, 121, 243-252.	2.1	60
48	Discovery and replication of dopamine-related gene effects on caudate volume in young and elderly populations (N=1198) using genome-wide search. <i>Molecular Psychiatry</i> , 2011, 16, 927-937.	4.1	52
49	Genetic architecture of subcortical brain regions: common and region-specific genetic contributions. <i>Genes, Brain and Behavior</i> , 2014, 13, 821-830.	1.1	52
50	The Heritability and Genetic Correlates of Mobile Phone Use: A Twin Study of Consumer Behavior. <i>Twin Research and Human Genetics</i> , 2012, 15, 97-106.	0.3	51
51	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. <i>Human Brain Mapping</i> , 2017, 38, 4444-4458.	1.9	51
52	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. <i>Scientific Reports</i> , 2017, 7, 15351.	1.6	50
53	Genome-wide association analysis links multiple psychiatric liability genes to oscillatory brain activity. <i>Human Brain Mapping</i> , 2018, 39, 4183-4195.	1.9	50
54	Genetics and Brain Morphology. <i>Neuropsychology Review</i> , 2015, 25, 63-96.	2.5	49

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55	Genetic influence on the variance in P3 amplitude and latency. <i>Behavior Genetics</i> , 2001, 31, 555-565.	1.4	48
56	Effect of the BDNF V166M polymorphism on working memory in healthy adolescents. <i>Genes, Brain and Behavior</i> , 2007, 6, 260-268.	1.1	47
57	Region-specific sex differences in the hippocampus. <i>NeuroImage</i> , 2020, 215, 116781.	2.1	45
58	Long-Term Stability and Heritability of Telephone Interview Measures of Alcohol Consumption and Dependence. <i>Twin Research and Human Genetics</i> , 2008, 11, 287-305.	0.3	42
59	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. <i>Schizophrenia Research</i> , 2015, 164, 47-52.	1.1	41
60	Genetic Covariation between Event-Related Potential (ERP) and Behavioral Non-ERP Measures of Working-Memory, Processing Speed, and IQ. <i>Behavior Genetics</i> , 2005, 35, 695-706.	1.4	39
61	Genetic influence on ERP slow wave measures of working memory. <i>Behavior Genetics</i> , 2001, 31, 603-614.	1.4	37
62	Cognitive Function in Adolescence: Testing for Interactions Between Breast-Feeding and FADS2 Polymorphisms. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2011, 50, 55-62.e4.	0.3	32
63	Hair Cortisol and Its Association With Psychological Risk Factors for Psychiatric Disorders: A Pilot Study in Adolescent Twins. <i>Twin Research and Human Genetics</i> , 2016, 19, 438-446.	0.3	31
64	Social Competence in Parents Increases Children's Educational Attainment: Replicable Genetically-Mediated Effects of Parenting Revealed by Non-Transmitted DNA. <i>Twin Research and Human Genetics</i> , 2019, 22, 1-3.	0.3	31
65	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. <i>Psychosomatic Medicine</i> , 2014, 76, 732-738.	1.3	29
66	Genetic and environmental contributions to cognitive structure in Australian twins: A reappraisal. <i>Intelligence</i> , 2016, 59, 24-31.	1.6	29
67	When does socioeconomic status (SES) moderate the heritability of IQ? No evidence for g × SES interaction for IQ in a representative sample of 1176 Australian adolescent twin pairs. <i>Intelligence</i> , 2016, 56, 10-15.	1.6	29
68	A commonly carried genetic variant in the delta opioid receptor gene, <i>OPRD1</i> , is associated with smaller regional brain volumes: Replication in elderly and young populations. <i>Human Brain Mapping</i> , 2014, 35, 1226-1236.	1.9	28
69	The relationship of reading ability to creativity: Positive, not negative associations. <i>Learning and Individual Differences</i> , 2013, 26, 171-176.	1.5	27
70	Genome-wide association identifies genetic variants associated with lentiform nucleus volume in 1345 young and elderly subjects. <i>Brain Imaging and Behavior</i> , 2013, 7, 102-115.	1.1	26
71	Refining genome-wide linkage intervals using a meta-analysis of genome-wide association studies identifies loci influencing personality dimensions. <i>European Journal of Human Genetics</i> , 2013, 21, 876-882.	1.4	24
72	Heritability of Resting State EEG Functional Connectivity Patterns. <i>Twin Research and Human Genetics</i> , 2013, 16, 962-969.	0.3	24

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73	Genetic Covariation of Pelvic Organ and Elbow Mobility in Twins and their Sisters. <i>Twin Research and Human Genetics</i> , 2004, 7, 254-260.	1.3	22
74	Autosomal linkage analysis for cannabis use behaviors in Australian adults. <i>Drug and Alcohol Dependence</i> , 2008, 98, 185-190.	1.6	22
75	Heritability of Transforming Growth Factor- $\beta$ 1 and Tumor Necrosis Factor-Receptor Type 1 Expression and Vitamin D Levels in Healthy Adolescent Twins. <i>Twin Research and Human Genetics</i> , 2015, 18, 28-35.	0.3	22
76	Genetic Basis of a Cognitive Complexity Metric. <i>PLoS ONE</i> , 2015, 10, e0123886.	1.1	22
77	The <i>ATXN1</i> and <i>TRIM31</i> genes are related to intelligence in an ADHD background: Evidence from a large collaborative study totaling 4,963 Subjects. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2011, 156, 145-157.	1.1	21
78	Genetic sources of covariation among P3(00) and online performance variables in a delayed-response working memory task. <i>Biological Psychology</i> , 2002, 61, 183-202.	1.1	20
79	Genetic Covariation Between the Author Recognition Test and Reading and Verbal Abilities: What Can We Learn from the Analysis of High Performance?. <i>Behavior Genetics</i> , 2009, 39, 417-426.	1.4	19
80	A study of changes in genetic and environmental influences on weight and shape concern across adolescence.. <i>Journal of Abnormal Psychology</i> , 2013, 122, 119-130.	2.0	19
81	No Association Between General Cognitive Ability and Rare Copy Number Variation. <i>Behavior Genetics</i> , 2013, 43, 202-207.	1.4	17
82	Low Birth Weight in MZ Twins Discordant for Birth Weight is Associated with Shorter Telomere Length and lower IQ, but not Anxiety/Depression in Later Life. <i>Twin Research and Human Genetics</i> , 2015, 18, 198-209.	0.3	17
83	Genome-wide association study of working memory brain activation. <i>International Journal of Psychophysiology</i> , 2017, 115, 98-111.	0.5	17
84	Alzheimer's Disease Risk Gene, <i>GAB2</i> , is Associated with Regional Brain Volume Differences in 755 Young Healthy Twins. <i>Twin Research and Human Genetics</i> , 2012, 15, 286-295.	0.3	16
85	Intelligence: shared genetic basis between Mendelian disorders and a polygenic trait. <i>European Journal of Human Genetics</i> , 2015, 23, 1378-1383.	1.4	16
86	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	1.9	16
87	Diffusion imaging protocol effects on genetic associations. , 2012, , 944-947.		14
88	Can We Identify Genes For Alcohol Consumption In Samples Ascertained For Heterogeneous Purposes?. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 729-739.	1.4	13
89	Linkage Analysis of Alcohol Dependence Symptoms in the Community. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 158-163.	1.4	12
90	Discovery of genes that affect human brain connectivity: A genome-wide analysis of the connectome. , 2012, , 542-545.		12

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91	Longevity candidate genes and their association with personality traits in the elderly. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2012, 159B, 192-200.	1.1	12
92	ERYTHROCYTE ALDEHYDE DEHYDROGENASE ACTIVITY: LACK OF ASSOCIATION WITH ALCOHOL USE AND DEPENDENCE OR ALCOHOL REACTIONS IN AUSTRALIAN TWINS. Alcohol and Alcoholism, 2005, 40, 343-348.	0.9	10
93	Investigating the relationship between iron and depression. Journal of Psychiatric Research, 2017, 94, 148-155.	1.5	10
94	Are Sex Differences in Human Brain Structure Associated With Sex Differences in Behavior?. Psychological Science, 2021, 32, 1183-1197.	1.8	10
95	QTLs Identified for P3 Amplitude in a Non-Clinical Sample: Importance of Neurodevelopmental and Neurotransmitter Genes. Biological Psychiatry, 2008, 63, 864-873.	0.7	9
96	Robust identification of partial-correlation based networks with applications to cortical thickness data. , 2012, 2012, 1551-1554.		9
97	Linkage Analyses of Event-Related Potential Slow Wave Phenotypes Recorded in a Working Memory Task. Behavior Genetics, 2006, 36, 29-44.	1.4	8
98	Multi-Site Meta-Analysis of Morphometry. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1508-1514.	1.9	7
99	Genetic influence on cognitive processes associated with distraction: An event-related potential study of the slow wave. Australian Journal of Psychology, 2004, 56, 89-98.	1.4	4
100	A Genomewide Association Study of Nicotine and Alcohol Dependence in Australian and Dutch Populations. Twin Research and Human Genetics, 2010, 13, 11-29.	0.3	3
101	Are there distinct cognitive types?. Intelligence, 2018, 70, 7-11.	1.6	3
102	Genetic Structure of IQ, Phonemic Decoding Skill, and Academic Achievement. Frontiers in Genetics, 2019, 10, 195.	1.1	3
103	Absolute and relative estimates of genetic and environmental variance in brain structure volumes. Brain Structure and Function, 2019, 224, 2805-2821.	1.2	1
104	Genetic Specificity of Hippocampal Subfield Volumes, Relative to Hippocampal Formation, Identified in 2148 Young Adult Twins and Siblings. Twin Research and Human Genetics, 0, , 1-11.	0.3	1
105	F251. Psychiatric Liability Genes are Linked to Oscillatory Brain Activity: A Genome-Wide Association Study. Biological Psychiatry, 2018, 83, S336.	0.7	0