Narelle K Hansell

List of Publications by Year
in descending order

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	Reproducibility in the absence of selective reporting: AnÂillustration from largeâ€scale brain asymmetry research. Human Brain Mapping, 2022, 43, 244-254.	1.9	16
2	Are Sex Differences in Human Brain Structure Associated With Sex Differences in Behavior?. Psychological Science, 2021, 32, 1183-1197.	1.8	10
3	Autism-related dietary preferences mediate autism-gut microbiome associations. Cell, 2021, 184, 5916-5931.e17.	13.5	172
4	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	5.8	61
5	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	6.0	450
6	Region-specific sex differences in the hippocampus. NeuroImage, 2020, 215, 116781.	2.1	45
7	Absolute and relative estimates of genetic and environmental variance in brain structure volumes. Brain Structure and Function, 2019, 224, 2805-2821.	1.2	1
8	Social Competence in Parents Increases Childrenâ€™s Educational Attainment: Replicable Genetically-Mediated Effects of Parenting Revealed by Non-Transmitted DNA. Twin Research and Human Genetics, 2019, 22, 1-3.	0.3	31
9	Multi-Site Meta-Analysis of Morphometry. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1508-1514.	1.9	7
10	Genetic Structure of IQ, Phonemic Decoding Skill, and Academic Achievement. Frontiers in Genetics, 2019, 10, 195.	1.1	3
11	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	9.4	192
12	Genetic Complexity of Cortical Structure: Differences in Genetic and Environmental Factors Influencing Cortical Surface Area and Thickness. Cerebral Cortex, 2019, 29, 952-962.	1.6	73
13	The Nature of Nurture: Using a Virtual-Parent Design to Test Parenting Effects on Children's Educational Attainment in Genotyped Families. Twin Research and Human Genetics, 2018, 21, 73-83.	0.3	134
14	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098.	5.8	484
15	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5154-E5163.	3.3	299
16	Genomeâ€wide association analysis links multiple psychiatric liability genes to oscillatory brain activity. Human Brain Mapping, 2018, 39, 4183-4195.	1.9	50
17	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. Nature Genetics, 2018, 50, 912-919.	9.4	893
18	Are there distinct cognitive types?. Intelligence, 2018, 70, 7-11.	1.6	3

#	Article	IF	Citations
19	F251. Psychiatric Liability Genes are Linked to Oscillatory Brain Activity: A Genome-Wide Association Study. Biological Psychiatry, 2018, 83, S336.	0.7	0
20	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	5.8	250
21	Short telomere length is associated with impaired cognitive performance in European ancestry cohorts. Translational Psychiatry, 2017, 7, e1100-e1100.	2.4	61
22	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. Scientific Reports, 2017, 7, 15351.	1.6	50
23	Investigating the relationship between iron and depression. Journal of Psychiatric Research, 2017, 94, 148-155.	1.5	10
24	Genome-wide association study of working memory brain activation. International Journal of Psychophysiology, 2017, 115, 98-111.	0.5	17
25	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. Human Brain Mapping, 2017, 38, 4444-4458.	1.9	51
26	Hair Cortisol and Its Association With Psychological Risk Factors for Psychiatric Disorders: A Pilot Study in Adolescent Twins. Twin Research and Human Genetics, 2016, 19, 438-446.	0.3	31
27	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	7.1	213
28	Genetic and environmental contributions to cognitive structure in Australian twins: A reappraisal. Intelligence, 2016, 59, 24-31.	1.6	29
29	Common polygenic risk for autism spectrum disorder (ASD) is associated with cognitive ability in the general population. Molecular Psychiatry, 2016, 21, 419-425.	4.1	145
30	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. Neurobiology of Aging, 2016, 40, 68-77.	1.5	115
31	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	7.1	204
32	When does socioeconomic status (SES) moderate the heritability of IQ? No evidence for g Ã— SES interaction for IQ in a representative sample of 1176 Australian adolescent twin pairs. Intelligence, 2016, 56, 10-15.	1.6	29
33	Genome-wide autozygosity is associated with lower general cognitive ability. Molecular Psychiatry, 2016, 21, 837-843.	4.1	62
34	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. Behavior Genetics, 2016, 46, 170-182.	1.4	178
35	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. JAMA Psychiatry, 2015, 72, 642.	6.0	289
36	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	13.7	772

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37	Intelligence: shared genetic basis between Mendelian disorders and a polygenic trait. European Journal of Human Genetics, 2015, 23, 1378-1383.	1.4	16
38	Heritability of the network architecture of intrinsic brain functional connectivity. NeuroImage, 2015, 121, 243-252.	2.1	60
39	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. Schizophrenia Research, 2015, 164, 47-52.	1.1	41
40	Genetics and Brain Morphology. Neuropsychology Review, 2015, 25, 63-96.	2.5	49
41	Heritability of Transforming Growth Factor-Î²1 and Tumor Necrosis Factor-Receptor Type 1 Expression and Vitamin D Levels in Healthy Adolescent Twins. Twin Research and Human Genetics, 2015, 18, 28-35.	0.3	22
42	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. Twin Research and Human Genetics, 2015, 18, 198-209.	0.3	17
43	Genetic Basis of a Cognitive Complexity Metric. PLoS ONE, 2015, 10, e0123886.	1.1	22
44	Human cognitive ability is influenced by genetic variation in components of postsynaptic signalling complexes assembled by NMDA receptors and MAGUK proteins. Translational Psychiatry, 2014, 4, e341-e341.	2.4	63
45	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13790-13794.	3.3	244
46	A commonly carried genetic variant in the delta opioid receptor gene, OPRD1, is associated with smaller regional brain volumes: Replication in elderly and young populations. Human Brain Mapping, 2014, 35, 1226-1236.	1.9	28
47	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. Psychosomatic Medicine, 2014, 76, 732-738.	1.3	29
48	Childhood intelligence is heritable, highly polygenic and associated with FNBP1L. Molecular Psychiatry, 2014, 19, 253-258.	4.1	241
49	Genetic architecture of subcortical brain regions: common and regionâ€specific genetic contributions. Genes, Brain and Behavior, 2014, 13, 821-830.	1.1	52
50	Harmonization of Neuroticism and Extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: an application of Item Response Theory. Behavior Genetics, 2014, 44, 295-313.	1.4	103
51	Genome-wide association identifies genetic variants associated with lentiform nucleus volume in Nâ€‰=â€‰1345 young and elderly subjects. Brain Imaging and Behavior, 2013, 7, 102-115.	1.1	26
52	Genome-wide scan of healthy human connectome discovers SPON1 gene variant influencing dementia severity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4768-4773.	3.3	141
53	Refining genome-wide linkage intervals using a meta-analysis of genome-wide association studies identifies loci influencing personality dimensions. European Journal of Human Genetics, 2013, 21, 876-882.	1.4	24
54	The relationship of reading ability to creativity: Positive, not negative associations. Learning and Individual Differences, 2013, 26, 171-176.	1.5	27

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55	No Association Between General Cognitive Ability and Rare Copy Number Variation. Behavior Genetics, 2013, 43, 202-207.	1.4	17
56	A study of changes in genetic and environmental influences on weight and shape concern across adolescence.. Journal of Abnormal Psychology, 2013, 122, 119-130.	2.0	19
57	Heritability of Resting State EEG Functional Connectivity Patterns. Twin Research and Human Genetics, 2013, 16, 962-969.	0.3	24
58	A genomeâ€wide association study for reading and language abilities in two population cohorts. Genes, Brain and Behavior, 2013, 12, 645-652.	1.1	98
59	The Heritability and Genetic Correlates of Mobile Phone Use: A Twin Study of Consumer Behavior. Twin Research and Human Genetics, 2012, 15, 97-106.	0.3	51
60	Common variants at 12q14 and 12q24 are associated with hippocampal volume. Nature Genetics, 2012, 44, 545-551.	9.4	212
61	Robust identification of partial-correlation based networks with applications to cortical thickness data. , 2012, 2012, 1551-1554.		9
62	Alzheimer's Disease Risk Gene,GAB2, is Associated with Regional Brain Volume Differences in 755 Young Healthy Twins. Twin Research and Human Genetics, 2012, 15, 286-295.	0.3	16
63	Genetic co-morbidity between neuroticism, anxiety/depression and somatic distress in a population sample of adolescent and young adult twins. Psychological Medicine, 2012, 42, 1249-1260.	2.7	73
64	Diffusion imaging protocol effects on genetic associations. , 2012, , 944-947.		14
65	Discovery of genes that affect human brain connectivity: A genome-wide analysis of the connectome. , 2012, , 542-545.		12
66	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	9.4	594
67	Discovery and replication of gene influences on brain structure using LASSO regression. Frontiers in Neuroscience, 2012, 6, 115.	1.4	91
68	Meta-analysis of genome-wide association studies for personality. Molecular Psychiatry, 2012, 17, 337-349.	4.1	340
69	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
70	Cognitive Function in Adolescence: Testing for Interactions Between Breast-Feeding and FADS2 Polymorphisms. Journal of the American Academy of Child and Adolescent Psychiatry, 2011, 50, 55-62.e4.	0.3	32
71	BDNF gene effects on brain circuitry replicated in 455 twins. NeuroImage, 2011, 55, 448-454.	2.1	110
72	Whole genome association scan for genetic polymorphisms influencing information processing speed. Biological Psychology, 2011, 86, 193-202.	1.1	70

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73	Discovery and replication of dopamine-related gene effects on caudate volume in young and elderly populations (N=1198) using genome-wide search. Molecular Psychiatry, 2011, 16, 927-937.	4.1	52
74	The ATXN1 and TRIM31 genes are related to intelligence in an ADHD background: Evidence from a large collaborative study totaling 4,963 Subjects. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 145-157.	1.1	21
75	Meta-analysis of genome-wide association studies identifies common variants in CTNNA2 associated with excitement-seeking. Translational Psychiatry, 2011, 1, e49-e49.	2.4	97
76	The genetic association between personality and major depression or bipolar disorder. A polygenic score analysis using genome-wide association data. Translational Psychiatry, 2011, 1, e50-e50.	2.4	90
77	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
78	Linkage Analysis of Alcohol Dependence Symptoms in the Community. Alcoholism: Clinical and Experimental Research, 2010, 34, 158-163.	1.4	12
79	A Genomewide Association Study of Nicotine and Alcohol Dependence in Australian and Dutch Populations. Twin Research and Human Genetics, 2010, 13, 10-29.	0.3	98
80	Heritability of Head Size in Dutch and Australian Twin Families at Ages 0â€“50 Years. Twin Research and Human Genetics, 2010, 13, 370-380.	0.3	69
81	Genetic contribution to individual variation in binocular rivalry rate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2664-2668.	3.3	82
82	Common Genetic Variants near the Brittle Cornea Syndrome Locus ZNF469 Influence the Blinding Disease Risk Factor Central Corneal Thickness. PLoS Genetics, 2010, 6, e1000947.	1.5	130
83	Associations of ADH and ALDH2 gene variation with self report alcohol reactions, consumption and dependence: an integrated analysis. Human Molecular Genetics, 2009, 18, 580-593.	1.4	187
84	Genetic Covariation Between the Author Recognition Test and Reading and Verbal Abilities: What Can We Learn from the Analysis of High Performance?. Behavior Genetics, 2009, 39, 417-426.	1.4	19
85	Can We Identify Genes For Alcohol Consumption In Samples Ascertained For Heterogeneous Purposes?. Alcoholism: Clinical and Experimental Research, 2009, 33, 729-739.	1.4	13
86	Common Variants in the Trichohyalin Gene Are Associated with Straight Hair in Europeans. American Journal of Human Genetics, 2009, 85, 750-755.	2.6	230
87	Alcohol Consumption Indices of Genetic Risk for Alcohol Dependence. Biological Psychiatry, 2009, 66, 795-800.	0.7	88
88	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
89	Autosomal linkage analysis for cannabis use behaviors in Australian adults. Drug and Alcohol Dependence, 2008, 98, 185-190.	1.6	22
90	Long-Term Stability and Heritability of Telephone Interview Measures of Alcohol Consumption and Dependence. Twin Research and Human Genetics, 2008, 11, 287-305.	0.3	42

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91	Common and specific genetic influences on EEG power bands delta, theta, alpha, and beta. Biological Psychology, 2007, 75, 154-164.	1.1	92
92	Effect of the BDNF V166M polymorphism on working memory in healthy adolescents. Genes, Brain and Behavior, 2007, 6, 260-268.	1.1	47
93	Genetic variation of individual alpha frequency (IAF) and alpha power in a large adolescent twin sample. International Journal of Psychophysiology, 2006, 61, 235-243.	0.5	118
94	Linkage Analyses of Event-Related Potential Slow Wave Phenotypes Recorded in a Working Memory Task. Behavior Genetics, 2006, 36, 29-44.	1.4	8
95	Bladder neck mobility is a heritable trait. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 334-339.	1.1	67
96	Genetic Covariation between Event-Related Potential (ERP) and Behavioral Non-ERP Measures of Working-Memory, Processing Speed, and IQ. Behavior Genetics, 2005, 35, 695-706.	1.4	39
97	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
98	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
99	Genetic Covariation of Pelvic Organ and Elbow Mobility in Twins and their Sisters. Twin Research and Human Genetics, 2004, 7, 254-260.	1.3	22
100	Genetic sources of covariation among P3(00) and online performance variables in a delayed-response working memory task. Biological Psychology, 2002, 61, 183-202.	1.1	20
101	Genetics of Cognition: Outline of a Collaborative Twin Study. Twin Research and Human Genetics, 2001, 4, 48-56.	1.3	125
102	Genetics of Cognition: Outline of a Collaborative Twin Study. Twin Research and Human Genetics, 2001, 4, 48-56.	1.3	77
103	Genetic influence on ERP slow wave measures of working memory. Behavior Genetics, 2001, 31, 603-614.	1.4	37
104	Genetic influence on the variance in P3 amplitude and latency. Behavior Genetics, 2001, 31, 555-565.	1.4	48
105	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