

Nathan A Gillespie

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

6,467
citations

147801

31
h-index

85541

71
g-index

133
all docs

133
docs citations

133
times ranked

9091
citing authors

#	ARTICLE	IF	CITATIONS
1	Association studies of up to 1.2 million individuals yield new insights into the genetic etiology of tobacco and alcohol use. <i>Nature Genetics</i> , 2019, 51, 237-244.	21.4	1,307
2	Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders. <i>Nature Neuroscience</i> , 2018, 21, 1656-1669.	14.8	490
3	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	12.8	484
4	GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal effect of schizophrenia liability. <i>Nature Neuroscience</i> , 2018, 21, 1161-1170.	14.8	436
5	The relationship between stressful life events, the serotonin transporter (5-HTTLPR) genotype and major depression. <i>Psychological Medicine</i> , 2005, 35, 101-111.	4.5	265
6	The genetic and environmental relationship between Cloninger's dimensions of temperament and character. <i>Personality and Individual Differences</i> , 2003, 35, 1931-1946.	2.9	256
7	A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , 2020, 7, 1032-1045.	7.4	200
8	Recent advances in the genetic epidemiology and molecular genetics of substance use disorders. <i>Nature Neuroscience</i> , 2012, 15, 181-189.	14.8	165
9	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.	0.6	134
10	Creating a Social World. <i>Archives of General Psychiatry</i> , 2007, 64, 958.	12.3	114
11	Factor and item response analysis DSM criteria for abuse of and dependence on cannabis, cocaine, hallucinogens, sedatives, stimulants and opioids. <i>Addiction</i> , 2007, 102, 920-930.	3.3	106
12	Pathways to cannabis abuse: a multi-stage model from cannabis availability, cannabis initiation and progression to abuse. <i>Addiction</i> , 2009, 104, 430-438.	3.3	93
13	Use of an Alzheimer's disease polygenic risk score to identify mild cognitive impairment in adults in their 50s. <i>Molecular Psychiatry</i> , 2019, 24, 421-430.	7.9	93
14	A Genome Scan for Eye Color in 502 Twin Families: Most Variation is due to a QTL on Chromosome 15q. <i>Twin Research and Human Genetics</i> , 2004, 7, 197-210.	1.0	91
15	Resting State Abnormalities of the Default Mode Network in Mild Cognitive Impairment: A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 107-120.	2.6	79
16	Evidence of causal effect of major depression on alcohol dependence: findings from the psychiatric genomics consortium. <i>Psychological Medicine</i> , 2019, 49, 1218-1226.	4.5	74
17	Direction of causation modeling between cross-sectional measures of parenting and psychological distress in female twins. <i>Behavior Genetics</i> , 2003, 33, 383-396.	2.1	66
18	Do the Genetic or Environmental Determinants of Anxiety and Depression Change with Age? A Longitudinal Study of Australian Twins. <i>Twin Research and Human Genetics</i> , 2004, 7, 39-53.	1.0	66

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19	A Genome Scan for Eye Color in 502 Twin Families: Most Variation is due to a QTL on Chromosome 15q. <i>Twin Research and Human Genetics</i> , 2004, 7, 197-210.	1.0	62
20	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
21	Familial Clustering of Major Depression and Anxiety Disorders in Australian and Dutch Twins and Siblings. <i>Twin Research and Human Genetics</i> , 2005, 8, 609-615.	0.6	60
22	Head Motion and Inattention/Hyperactivity Share Common Genetic Influences: Implications for fMRI Studies of ADHD. <i>PLoS ONE</i> , 2016, 11, e0146271.	2.5	57
23	Behaviour genetic analyses of reading and spelling: A component processes approach. <i>Australian Journal of Psychology</i> , 2004, 56, 115-126.	2.8	54
24	Hair Cortisol in Twins: Heritability and Genetic Overlap with Psychological Variables and Stress-System Genes. <i>Scientific Reports</i> , 2017, 7, 15351.	3.3	50
25	Joint factorial structure of psychopathology and personality. <i>Psychological Medicine</i> , 2019, 49, 2158-2167.	4.5	47
26	Genetic and Environmental Structure of DSM-IV Criteria for Antisocial Personality Disorder: A Twin Study. <i>Behavior Genetics</i> , 2017, 47, 265-277.	2.1	46
27	Genetic Simplex Modeling of Eysenck's Dimensions of Personality in a Sample of Young Australian Twins. <i>Twin Research and Human Genetics</i> , 2004, 7, 637-648.	1.0	44
28	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.	2.0	41
29	MRI-assessed locus coeruleus integrity is heritable and associated with multiple cognitive domains, mild cognitive impairment, and daytime dysfunction. <i>Alzheimer's and Dementia</i> , 2021, 17, 1017-1025.	0.8	41
30	Modeling the genetic and environmental association between peer group deviance and cannabis use in male twins. <i>Addiction</i> , 2009, 104, 420-429.	3.3	39
31	Genetic and environmental influences on cortical mean diffusivity. <i>NeuroImage</i> , 2017, 146, 90-99.	4.2	37
32	The genetic and environmental relationship between the interpersonal sensitivity measure (IPSM) and the personality dimensions of Eysenck and Cloninger. <i>Personality and Individual Differences</i> , 2001, 31, 1039-1051.	2.9	36
33	Associations between personality disorders and cannabis use and cannabis use disorder: a population-based twin study. <i>Addiction</i> , 2018, 113, 1488-1498.	3.3	36
34	Distinct Loci in the <i>CHRNA5</i> / <i>CHRNA3</i> / <i>CHRN4</i> Gene Cluster Are Associated With Onset of Regular Smoking. <i>Genetic Epidemiology</i> , 2013, 37, 846-859.	1.3	32
35	Connecting the dots, genome-wide association studies in substance use. <i>Molecular Psychiatry</i> , 2016, 21, 733-735.	7.9	31
36	Prediction of alcohol use disorder using personality disorder traits: a twin study. <i>Addiction</i> , 2018, 113, 15-24.	3.3	31

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37	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018, 9, 3945.	12.8	31
38	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.	0.6	31
39	Longitudinal modeling of genetic and environmental influences on self-reported availability of psychoactive substances: alcohol, cigarettes, marijuana, cocaine and stimulants. <i>Psychological Medicine</i> , 2007, 37, 947-959.	4.5	30
40	Shared and specific genetic risk factors for lifetime major depression, depressive symptoms and neuroticism in three population-based twin samples. <i>Psychological Medicine</i> , 2019, 49, 2745-2753.	4.5	30
41	Use of Genetically Informed Methods to Clarify the Nature of the Association Between Cannabis Use and Risk for Schizophrenia. <i>JAMA Psychiatry</i> , 2021, 78, 467.	11.0	30
42	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. <i>Psychosomatic Medicine</i> , 2014, 76, 732-738.	2.0	29
43	Meta-analyses of genome-wide linkage scans of anxiety-related phenotypes. <i>European Journal of Human Genetics</i> , 2012, 20, 1078-1084.	2.8	28
44	The Genetic and Environmental Contributions to Internet Use and Associations With Psychopathology: A Twin Study. <i>Twin Research and Human Genetics</i> , 2016, 19, 1-9.	0.6	28
45	A Genome-Wide Scan for Eysenckian Personality Dimensions in Adolescent Twin Sibships: Psychoticism, Extraversion, Neuroticism, and Lie. <i>Journal of Personality</i> , 2008, 76, 1415-1446.	3.2	27
46	The Brisbane Longitudinal Twin Study: Pathways to Cannabis Use, Abuse, and Dependence Project—Current Status, Preliminary Results, and Future Directions. <i>Twin Research and Human Genetics</i> , 2013, 16, 21-33.	0.6	26
47	Assessment of a Modified DSM-5 Diagnosis of Alcohol Use Disorder in a Genetically Informative Population. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 443-451.	2.4	25
48	Genetic and Environmental Contributions to the Association Between Cannabis Use and Psychotic-Like Experiences in Young Adult Twins. <i>Schizophrenia Bulletin</i> , 2016, 43, sbw101.	4.3	25
49	Genome-wide association meta-analysis of age at first cannabis use. <i>Addiction</i> , 2018, 113, 2073-2086.	3.3	24
50	Pupillary dilation responses as a midlife indicator of risk for Alzheimer's disease: association with Alzheimer's disease polygenic risk. <i>Neurobiology of Aging</i> , 2019, 83, 114-121.	3.1	24
51	A Twin Study of Normative Personality and DSM-IV Personality Disorder Criterion Counts: Evidence for Separate Genetic Influences. <i>American Journal of Psychiatry</i> , 2018, 175, 649-656.	7.2	23
52	A population based twin study of DSM-5 maladaptive personality domains.. <i>Personality Disorders: Theory, Research, and Treatment</i> , 2017, 8, 366-375.	1.3	22
53	Genetics of Insomnia. <i>Sleep Medicine Clinics</i> , 2011, 6, 191-202.	2.6	21
54	Testing associations between cannabis use and subcortical volumes in two large population-based samples. <i>Addiction</i> , 2018, 113, 1661-1672.	3.3	21

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55	Modeling the direction of causation between cross-sectional measures of disrupted sleep, anxiety and depression in a sample of male and female Australian twins. <i>Journal of Sleep Research</i> , 2012, 21, 675-683.	3.2	20
56	Association between polygenic risk for tobacco or alcohol consumption and liability to licit and illicit substance use in young Australian adults. <i>Drug and Alcohol Dependence</i> , 2019, 197, 271-279.	3.2	20
57	Two-part random effects growth modeling to identify risks associated with alcohol and cannabis initiation, initial average use and changes in drug consumption in a sample of adult, male twins. <i>Drug and Alcohol Dependence</i> , 2012, 123, 220-228.	3.2	19
58	Nineteen and Up study (19Up): understanding pathways to mental health disorders in young Australian twins. <i>BMJ Open</i> , 2018, 8, e018959.	1.9	19
59	Twenty-Five and Up (25Up) Study: A New Wave of the Brisbane Longitudinal Twin Study. <i>Twin Research and Human Genetics</i> , 2019, 22, 154-163.	0.6	19
60	Associations between polygenic risk for tobacco and alcohol use and liability to tobacco and alcohol use, and psychiatric disorders in an independent sample of 13,999 Australian adults. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107704.	3.2	19
61	Predominantly global genetic influences on individual white matter tract microstructure. <i>NeuroImage</i> , 2019, 184, 871-880.	4.2	18
62	Psychometric modeling of cannabis initiation and use and the symptoms of cannabis abuse, dependence and withdrawal in a sample of male and female twins. <i>Drug and Alcohol Dependence</i> , 2011, 118, 166-172.	3.2	17
63	Are the symptoms of cannabis use disorder best accounted for by dimensional, categorical, or factor mixture models? A comparison of male and female young adults.. <i>Psychology of Addictive Behaviors</i> , 2012, 26, 68-77.	2.1	17
64	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.	0.6	17
65	Genome-Wide Meta-Analyses of FTND and TTFC Phenotypes. <i>Nicotine and Tobacco Research</i> , 2020, 22, 900-909.	2.6	17
66	Stability and change in etiological factors for alcohol use disorder and major depression.. <i>Journal of Abnormal Psychology</i> , 2017, 126, 812-822.	1.9	17
67	Genetic architecture of hippocampal subfields on standard resolution MRI: How the parts relate to the whole. <i>Human Brain Mapping</i> , 2019, 40, 1528-1540.	3.6	16
68	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	2.9	16
69	Associations between depression and cardiometabolic health: A 27-year longitudinal study. <i>Psychological Medicine</i> , 2022, 52, 3007-3017.	4.5	16
70	Can network analysis of self-reported psychopathology shed light on the core phenomenology of bipolar disorders in adolescents and young adults?. <i>Bipolar Disorders</i> , 2021, 23, 584-594.	1.9	16
71	Shared Genetic and Environmental Influences on Early Temperament and Preschool Psychiatric Disorders in Hispanic Twins. <i>Twin Research and Human Genetics</i> , 2015, 18, 171-178.	0.6	15
72	Genetic and environmental influences on mean diffusivity and volume in subcortical brain regions. <i>Human Brain Mapping</i> , 2017, 38, 2589-2598.	3.6	15

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73	Pathways to depression by age 16 years: Examining trajectories for self-reported psychological and somatic phenotypes across adolescence. <i>Journal of Affective Disorders</i> , 2018, 230, 1-6.	4.1	15
74	Validation of the Substance Use Risk Profile Scale (SURPS) With Bulgarian Substance Dependent Individuals. <i>Frontiers in Psychology</i> , 2018, 9, 2296.	2.1	15
75	Associations between the <i>CADM2</i> gene, substance use, risky sexual behavior, and self-control: A phenome-wide association study. <i>Addiction Biology</i> , 2021, 26, e13015.	2.6	15
76	Psychometric modeling of abuse and dependence symptoms across six illicit substances indicates novel dimensions of misuse. <i>Addictive Behaviors</i> , 2016, 53, 132-140.	3.0	14
77	Potential causal effect of posttraumatic stress disorder on alcohol use disorder and alcohol consumption in individuals of European descent: A Mendelian Randomization Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1616-1623.	2.4	14
78	Genetic and environmental risk factors in the non-medical use of over-the-counter or prescribed analgesics, and their relationship to major classes of licit and illicit substance use and misuse in a population-based sample of young adult twins. <i>Addiction</i> , 2019, 114, 2229-2240.	3.3	13
79	The structure of genetic and environmental influences on normative personality, abnormal personality traits, and personality disorder symptoms. <i>Psychological Medicine</i> , 2019, 49, 1392-1399.	4.5	12
80	The Genetic and Environmental Association Between Parental Monitoring and Risk of Cannabis, Stimulants, and Cocaine Initiation in a Sample of Male Twins: Does Parenting Matter?. <i>Twin Research and Human Genetics</i> , 2016, 19, 297-305.	0.6	11
81	Lifestyle and the aging brain: interactive effects of modifiable lifestyle behaviors and cognitive ability in men from midlife to old age. <i>Neurobiology of Aging</i> , 2021, 108, 80-89.	3.1	11
82	Is there heterogeneity among syndromes of substance use disorder for illicit drugs?. <i>Addictive Behaviors</i> , 2006, 31, 929-947.	3.0	10
83	Comparing Factor, Class, and Mixture Models of Cannabis Initiation and DSM Cannabis Use Disorder Criteria, Including Craving, in the Brisbane Longitudinal Twin Study. <i>Twin Research and Human Genetics</i> , 2014, 17, 89-98.	0.6	10
84	The Genetic and Environmental Sources of Resemblance Between Normative Personality and Personality Disorder Traits. <i>Journal of Personality Disorders</i> , 2017, 31, 193-207.	1.4	10
85	Genetically Informative Mediation Modeling Applied to Stressors and Personality-Disorder Traits in Etiology of Alcohol Use Disorder. <i>Behavior Genetics</i> , 2019, 49, 11-23.	2.1	10
86	Postmortem brain tissue as an underutilized resource to study the molecular pathology of neuropsychiatric disorders across different ethnic populations. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 195-207.	6.1	9
87	Shared Genetic Etiology between Cortical Brain Morphology and Tobacco, Alcohol, and Cannabis Use. <i>Cerebral Cortex</i> , 2022, 32, 796-807.	2.9	9
88	Testing Models for the Contributions of Genes and Environment to Developmental Change in Adolescent Depression. <i>Behavior Genetics</i> , 2015, 45, 382-393.	2.1	8
89	Long-term associations of cigarette smoking in early midlife with predicted brain aging from mid- to late life. <i>Addiction</i> , 2022, 117, 1049-1059.	3.3	8
90	The Relationship Between Personality and Somatic and Psychological Distress: A Comparison of Chinese and Australian Adolescents. <i>Behavior Genetics</i> , 2018, 48, 315-322.	2.1	7

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91	Genetic risk for coronary heart disease alters the influence of Alzheimer's genetic risk on mild cognitive impairment. <i>Neurobiology of Aging</i> , 2019, 84, 237.e5-237.e12.	3.1	7
92	12-year prediction of mild cognitive impairment aided by Alzheimer's brain signatures at mean age 56. <i>Brain Communications</i> , 2021, 3, fcab167.	3.3	7
93	Alcohol use and alcohol use disorder differ in their genetic relationships with PTSD: A genomic structural equation modelling approach. <i>Drug and Alcohol Dependence</i> , 2022, 234, 109430.	3.2	7
94	High-potency cannabis and incident psychosis: correcting the causal assumption. <i>Lancet Psychiatry</i> , 2019, 6, 464.	7.4	6
95	A Finite Mixture Model for Genotype and Environment Interactions: Detecting Latent Population Heterogeneity. <i>Twin Research and Human Genetics</i> , 2006, 9, 412-423.	0.6	5
96	Testing Genetic and Environmental Associations Between Personality Disorders and Cocaine Use: A Population-Based Twin Study. <i>Twin Research and Human Genetics</i> , 2018, 21, 24-32.	0.6	5
97	Continuity of genetic and environmental influences on clinically assessed major depression from ages 18 to 45. <i>Psychological Medicine</i> , 2019, 49, 2582-2590.	4.5	5
98	Early expressions of psychopathology and risk associated with trans-diagnostic transition to mood and psychotic disorders in adolescents and young adults. <i>PLoS ONE</i> , 2021, 16, e0252550.	2.5	5
99	Genetic Simplex Modeling of Eysenck's Dimensions of Personality in a Sample of Young Australian Twins. <i>Twin Research and Human Genetics</i> , 2004, 7, 637-648.	1.0	5
100	The Genetic Relationship Between Psychological Distress, Somatic Distress, Affective Disorders, and Substance Use in Young Australian Adults: A Multivariate Twin Study. <i>Twin Research and Human Genetics</i> , 2018, 21, 347-360.	0.6	4
101	Cannabis use in college: Genetic predispositions, peers, and activity participation. <i>Drug and Alcohol Dependence</i> , 2021, 219, 108489.	3.2	4
102	16Up: Outline of a Study Investigating Wellbeing and Information and Communication Technology Use in Adolescent Twins. <i>Twin Research and Human Genetics</i> , 2020, 23, 345-357.	0.6	4
103	Do the Genetic or Environmental Determinants of Anxiety and Depression Change with Age? A Longitudinal Study of Australian Twins. <i>Twin Research and Human Genetics</i> , 2004, 7, 39-53.	1.0	4
104	A longitudinal mediational investigation of risk pathways among cannabis use, interpersonal trauma exposure, and trauma-related distress. <i>Psychological Trauma: Theory, Research, Practice, and Policy</i> , 2023, 15, 969-978.	2.1	4
105	Periventricular and deep abnormal white matter differ in associations with cognitive performance at midlife. <i>Neuropsychology</i> , 2021, 35, 252-264.	1.3	3
106	The Impact of Genes and Environment on Brain Ageing in Males Aged 51 to 72 Years. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 831002.	3.4	3
107	A Twin Study of Cigarette and Snus Initiation and Quantity of Use in Norwegian Adult Twins. <i>Twin Research and Human Genetics</i> , 2019, 22, 108-113.	0.6	2
108	Days out of role and somatic, anxious-depressive, hypo-manic, and psychotic-like symptom dimensions in a community sample of young adults. <i>Translational Psychiatry</i> , 2021, 11, 285.	4.8	2

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109	Paradoxical cognitive trajectories in men from earlier to later adulthood. <i>Neurobiology of Aging</i> , 2021, 109, 229-238.	3.1	2
110	Dynamic networks of psychological symptoms, impairment, substance use, and social support: The evolution of psychopathology among emerging adults. <i>European Psychiatry</i> , 2022, 65, .	0.2	2
111	Is pre-college interpersonal trauma associated with cannabis use?. <i>Journal of American College Health</i> , 2021, , 1-8.	1.5	1
112	Cannabis Research. <i>Twin Research and Human Genetics</i> , 2020, 23, 129-130.	0.6	1
113	A finite mixture model for genotype and environment interactions: detecting latent population heterogeneity. <i>Twin Research and Human Genetics</i> , 2006, 9, 412-23.	0.6	1
114	Genetic and Environmental Influences on Perceived Social Support: Differences by Sex and Relationship. <i>Twin Research and Human Genetics</i> , 2021, 24, 251-263.	0.6	1
115	Alcohol use and cognitive aging in middle-aged men: The Vietnam Era Twin Study of Aging. <i>Journal of the International Neuropsychological Society</i> , 2023, 29, 235-245.	1.8	1
116	Editorial. <i>Twin Research and Human Genetics</i> , 2020, 23, 67-67.	0.6	0
117	The Genetics of Cannabis Use and Cannabis Use Disorders. , 2013, , 523-531.		0
118	A Brief History of the Collaboration between Dr Nathan Gillespie and Professor Nick Martin Including Personal Reflections. <i>Twin Research and Human Genetics</i> , 2020, 23, 94-95.	0.6	0
119	Caffeine consumption, toxicity, tolerance and withdrawal; shared genetic influences with normative personality and personality disorder traits.. <i>Experimental and Clinical Psychopharmacology</i> , 2021, 29, 650-658.	1.8	0
120	Genetic and environmental influences on structural- and diffusion-based Alzheimerâ€™s disease neuroimaging signatures across midlife and early old age. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, , .	1.5	0