

# Andrew C Heath

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

55,673  
citations

19657  
61  
h-index

27406  
106  
g-index

113  
all docs

113  
docs citations

113  
times ranked

61878  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Identifying the Common Genetic Basis of Antidepressant Response. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 115-126.  | 2.2  | 31        |
| 2  | Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals. <i>Nature Genetics</i> , 2022, 54, 437-449.                             | 21.4 | 215       |
| 3  | Microbial liberation of N-methylserotonin from orange fiber in gnotobiotic mice and humans. <i>Cell</i> , 2022, 185, 2495-2509.e11.  | 28.9 | 26        |
| 4  | Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 2457-2470.   | 7.9  | 44        |
| 5  | Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95.  | 27.8 | 70        |
| 6  | The Genetic Architecture of Depression in Individuals of East Asian Ancestry. <i>JAMA Psychiatry</i> , 2021, 78, 1258.   | 11.0 | 88        |
| 7  | Convergent Evidence for Predispositional Effects of Brain Gray Matter Volume on Alcohol Consumption. <i>Biological Psychiatry</i> , 2020, 87, 645-655.   | 1.3  | 32        |
| 8  | Classical Human Leukocyte Antigen Alleles and C4 Haplotypes Are Not Significantly Associated With Depression. <i>Biological Psychiatry</i> , 2020, 87, 419-430.  | 1.3  | 27        |
| 9  | Disruptive Behavior in Siblings Discordant for Exposure to Maternal Smoking During Pregnancy: A Multi-rater Approach. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1330-1338.                                  | 2.6  | 5         |
| 10 | Molecular genetic overlap between posttraumatic stress disorder and sleep phenotypes. <i>Sleep</i> , 2020, 43, .   | 1.1  | 32        |
| 11 | A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , 2020, 7, 1032-1045.   | 7.4  | 200       |
| 12 | Genetic aetiology of self-harm ideation and behaviour. <i>Scientific Reports</i> , 2020, 10, 9713.   | 3.3  | 45        |
| 13 | A genome-wide cross-phenotype meta-analysis of the association of blood pressure with migraine. <i>Nature Communications</i> , 2020, 11, 3368.   | 12.8 | 49        |
| 14 | Leveraging genome-wide data to investigate differences between opioid use vs. opioid dependence in 41,176 individuals from the Psychiatric Genomics Consortium. <i>Molecular Psychiatry</i> , 2020, 25, 1673-1687. | 7.9  | 82        |
| 15 | Genome-wide gene-environment analyses of major depressive disorder and reported lifetime traumatic experiences in UK Biobank. <i>Molecular Psychiatry</i> , 2020, 25, 1430-1446.                                   | 7.9  | 116       |
| 16 | Correspondence Between Perceived Pubertal Development and Hormone Levels in 9-10 Year-Olds From the Adolescent Brain Cognitive Development Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 549928.            | 3.5  | 45        |
| 17 | Genetic architecture of reciprocal social behavior in toddlers: Implications for heterogeneity in the early origins of autism spectrum disorder. <i>Development and Psychopathology</i> , 2020, 32, 1190-1205.     | 2.3  | 8         |
| 18 | New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. <i>Nature Human Behaviour</i> , 2019, 3, 950-961.   | 12.0 | 75        |

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|----|---|------|-----------|
| 19 | International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. <i>Nature Communications</i> , 2019, 10, 4558.   | 12.8 | 363       |
| 20 | Quantifying between-cohort and between-sex genetic heterogeneity in major depressive disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2019, 180, 439-447.  | 1.7  | 35        |
| 21 | The etiology of DSM-5 alcohol use disorder: Evidence of shared and non-shared additive genetic effects. <i>Drug and Alcohol Dependence</i> , 2019, 201, 147-154.  | 3.2  | 7         |
| 22 | Association of Whole-Genome and NETRIN1 Signaling Pathway-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. | 1.5  | 16        |
| 23 | Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies. <i>Nature Communications</i> , 2019, 10, 29.   | 12.8 | 113       |
| 24 | 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     |
| 25 | Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. <i>Nature Genetics</i> , 2018, 50, 668-681.   | 21.4 | 2,224     |
| 26 | Does Childhood Trauma Moderate Polygenic Risk for Depression? A Meta-analysis of 5765 Subjects From the Psychiatric Genomics Consortium. <i>Biological Psychiatry</i> , 2018, 84, 138-147.  | 1.3  | 87        |
| 27 | The utility of twins in developmental cognitive neuroscience research: How twins strengthen the ABCD research design. <i>Developmental Cognitive Neuroscience</i> , 2018, 32, 30-42.  | 4.0  | 69        |
| 28 | Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders. <i>Nature Neuroscience</i> , 2018, 21, 1656-1669.  | 14.8 | 490       |
| 29 | Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , 2018, 103, 691-706.  | 6.2  | 326       |
| 30 | Genome-wide association meta-analysis of age at first cannabis use. <i>Addiction</i> , 2018, 113, 2073-2086.  | 3.3  | 24        |
| 31 | 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       |
| 32 | Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018, 50, 26-41.   | 21.4 | 286       |
| 33 | Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017, 8, 14977.   | 12.8 | 169       |
| 34 | Prior Dietary Practices and Connections to a Human Gut Microbial Metacommunity Alter Responses to Diet Interventions. <i>Cell Host and Microbe</i> , 2017, 21, 84-96.   | 11.0 | 129       |
| 35 | An Analysis of Two Genome-wide Association Meta-analyses Identifies a New Locus for Broad Depression Phenotype. <i>Biological Psychiatry</i> , 2017, 82, 322-329.   | 1.3  | 84        |
| 36 | Genome-Wide Association Studies of a Broad Spectrum of Antisocial Behavior. <i>JAMA Psychiatry</i> , 2017, 74, 1242.  | 11.0 | 174       |

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|----|---|------|-----------|
| 37 | Research on Geneâ€“Environment Interplay in the Era of â€œBig Dataâ€•. Journal of Studies on Alcohol and Drugs, 2016, 77, 681-683.  | 1.0  | 4         |
| 38 | Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. Nature Genetics, 2016, 48, 624-633.         | 21.4 | 870       |
| 39 | Genetic variants in RBFOX3 are associated with sleep latency. European Journal of Human Genetics, 2016, 24, 1488-1495.  | 2.8  | 27        |
| 40 | Genome-wide association study identifies 74 loci associated with educational attainment. Nature, 2016, 533, 539-542.  | 27.8 | 1,204     |
| 41 | Genome-wide analysis identifies 12 loci influencing human reproductive behavior. Nature Genetics, 2016, 48, 1462-1472.  | 21.4 | 284       |
| 42 | Genetic variants linked to education predict longevity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13366-13371.                  | 7.1  | 110       |
| 43 | Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine. Nature Genetics, 2016, 48, 856-866.  | 21.4 | 520       |
| 44 | Common Genetic Variants Influence Whorls in Fingerprint Patterns. Journal of Investigative Dermatology, 2016, 136, 859-862.   | 0.7  | 19        |
| 45 | Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. Behavior Genetics, 2016, 46, 170-182.                    | 2.1  | 178       |
| 46 | Shared additive genetic influences on DSMâ€“IV criteria for alcohol dependence in subjects of European ancestry. Addiction, 2015, 110, 1922-1931.                                 | 3.3  | 20        |
| 47 | Rapid videoâ€“referenced ratings of reciprocal social behavior in toddlers: a twin study. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 1338-1346. | 5.2  | 28        |
| 48 | The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.              | 3.5  | 331       |
| 49 | Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. JAMA Psychiatry, 2015, 72, 642.                   | 11.0 | 289       |
| 50 | Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.  | 27.8 | 3,823     |
| 51 | Metagenomics: A New Frontier for Translational Research and Personalized Therapeutics in Psychiatry?. Biological Psychiatry, 2015, 77, 600-601.                                   | 1.3  | 0         |
| 52 | Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. Molecular Psychiatry, 2015, 20, 647-656.   | 7.9  | 235       |
| 53 | Seasonality Shows Evidence for Polygenic Architecture and Genetic Correlation With Schizophrenia and Bipolar Disorder. Journal of Clinical Psychiatry, 2015, 76, 128-134.         | 2.2  | 25        |
| 54 | Applying polygenic risk scores to postpartum depression. Archives of Women's Mental Health, 2014, 17, 519-528.  | 2.6  | 62        |

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|----|--|------|-----------|
| 55 | Substance Use and Sexual Intercourse Onsets in Adolescence: A Genetically Informative Discordant Twin Design. <i>Journal of Adolescent Health</i> , 2014, 54, 114-116.   | 2.5  | 9         |
| 56 | Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. <i>Nature Communications</i> , 2014, 5, 4926.  | 12.8 | 192       |
| 57 | Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. <i>Nature</i> , 2014, 514, 92-97.   | 27.8 | 548       |
| 58 | Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014, 46, 1173-1186.  | 21.4 | 1,818     |
| 59 | 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. | 2.1  | 103       |
| 60 | The genetic aetiology of cannabis use initiation: a meta-analysis of genome-wide association studies and a SNP-based heritability estimation. <i>Addiction Biology</i> , 2013, 18, 846-850.                              | 2.6  | 49        |
| 61 | Inference of the Genetic Architecture Underlying BMI and Height with the Use of 20,240 Sibling Pairs. <i>American Journal of Human Genetics</i> , 2013, 93, 865-875.   | 6.2  | 104       |
| 62 | The Long-Term Stability of the Human Gut Microbiota. <i>Science</i> , 2013, 341, 1237439.  | 12.6 | 1,696     |
| 63 | A genome-wide association study of sleep habits and insomnia. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2013, 162, 439-451.  | 1.7  | 104       |
| 64 | Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. <i>Science</i> , 2013, 341, 1241214.   | 12.6 | 3,006     |
| 65 | Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs. <i>Nature Genetics</i> , 2013, 45, 984-994.   | 21.4 | 2,067     |
| 66 | 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.       | 2.8  | 24        |
| 67 | A mega-analysis of genome-wide association studies for major depressive disorder. <i>Molecular Psychiatry</i> , 2013, 18, 497-511.   | 7.9  | 1,002     |
| 68 | Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013, 45, 501-512.  | 21.4 | 578       |
| 69 | GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. <i>Science</i> , 2013, 340, 1467-1471.   | 12.6 | 750       |
| 70 | The Role of Adiposity in Cardiometabolic Traits: A Mendelian Randomization Analysis. <i>PLoS Medicine</i> , 2013, 10, e1001474.  | 8.4  | 178       |
| 71 | Alcoholism and Timing of Separation in Parents: Findings in a Midwestern Birth Cohort. <i>Journal of Studies on Alcohol and Drugs</i> , 2013, 74, 337-348.   | 1.0  | 42        |
| 72 | Conditional and joint multiple-SNP analysis of GWAS summary statistics identifies additional variants influencing complex traits. <i>Nature Genetics</i> , 2012, 44, 369-375.  | 21.4 | 1,338     |

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|----|---|------|-----------|
| 73 | FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , 2012, 490, 267-272.  | 27.8 | 383       |
| 74 | Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. <i>Nature Genetics</i> , 2012, 44, 260-268.   | 21.4 | 303       |
| 75 | Human gut microbiome viewed across age and geography. <i>Nature</i> , 2012, 486, 222-227.   | 27.8 | 6,247     |
| 76 | 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        |
| 77 | MAINTENANCE OF GENETIC VARIATION IN HUMAN PERSONALITY: TESTING EVOLUTIONARY MODELS BY ESTIMATING HERITABILITY DUE TO COMMON CAUSAL VARIANTS AND INVESTIGATING THE EFFECT OF DISTANT INBREEDING. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3238-3251. | 2.3  | 166       |
| 78 | Genome-Wide Association Studies of Asthma in Population-Based Cohorts Confirm Known and Suggested Loci and Identify an Additional Association near HLA. <i>PLoS ONE</i> , 2012, 7, e44008.  | 2.5  | 111       |
| 79 | Unraveling the Genetic Etiology of Adult Antisocial Behavior: A Genome-Wide Association Study. <i>PLoS ONE</i> , 2012, 7, e45086.   | 2.5  | 80        |
| 80 | A Quantitative-Trait Genome-Wide Association Study of Alcoholism Risk in the Community: Findings and Implications. <i>Biological Psychiatry</i> , 2011, 70, 513-518.  | 1.3  | 184       |
| 81 | The Impact of a Consortium of Fermented Milk Strains on the Gut Microbiome of Gnotobiotic Mice and Monozygotic Twins. <i>Science Translational Medicine</i> , 2011, 3, 106ra106.  | 12.4 | 456       |
| 82 | Identification of IL6R and chromosome 11q13.5 as risk loci for asthma. <i>Lancet, The</i> , 2011, 378, 1006-1014.   | 13.7 | 345       |
| 83 | Educational Attainment: A Genome Wide Association Study in 9538 Australians. <i>PLoS ONE</i> , 2011, 6, e20128.   | 2.5  | 18        |
| 84 | Genomic inflation factors under polygenic inheritance. <i>European Journal of Human Genetics</i> , 2011, 19, 807-812.   | 2.8  | 460       |
| 85 | Pan-genome of the dominant human gut-associated archaeon, <i>Methanobrevibacter smithii</i> , studied in twins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4599-4606.  | 7.1  | 221       |
| 86 | Viruses in the faecal microbiota of monozygotic twins and their mothers. <i>Nature</i> , 2010, 466, 334-338.  | 27.8 | 1,054     |
| 87 | Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838.   | 27.8 | 1,789     |
| 88 | Common SNPs explain a large proportion of the heritability for human height. <i>Nature Genetics</i> , 2010, 42, 565-569.  | 21.4 | 3,888     |
| 89 | Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948.   | 21.4 | 2,634     |
| 90 | Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2010, 42, 1077-1085.   | 21.4 | 445       |

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|-----|---|------|-----------|
| 91  | A Genome-Wide Association Study of Self-Rated Health. <i>Twin Research and Human Genetics</i> , 2010, 13, 398-403.  | 0.6  | 14        |
| 92  | A core gut microbiome in obese and lean twins. <i>Nature</i> , 2009, 457, 480-484.  | 27.8 | 6,819     |
| 93  | Genetic and Environmental Contributions to BMI in Adolescent and Young Adult Women. <i>Obesity</i> , 2009, 17, 1040-1043.   | 3.0  | 12        |
| 94  | Common Variants in the Trichohyalin Gene Are Associated with Straight Hair in Europeans. <i>American Journal of Human Genetics</i> , 2009, 85, 750-755.   | 6.2  | 230       |
| 95  | Choice of Residential Location: Chance, Family Influences, or Genes?. <i>Twin Research and Human Genetics</i> , 2005, 8, 22-26.   | 0.6  | 41        |
| 96  | Do College Students Drink More Than Their Non-College-Attending Peers? Evidence From a Population-Based Longitudinal Female Twin Study.. <i>Journal of Abnormal Psychology</i> , 2004, 113, 530-540.              | 1.9  | 188       |
| 97  | Reliability and Stability of Mothers' Reports about their Pregnancies with Twins. <i>Twin Research and Human Genetics</i> , 2003, 6, 85-88.   | 1.0  | 4         |
| 98  | Ascertainment of a Mid-Western US Female Adolescent Twin Cohort for Alcohol Studies: Assessment of Sample Representativeness Using Birth Record Data. <i>Twin Research and Human Genetics</i> , 2002, 5, 107-112. | 1.0  | 34        |
| 99  | Ascertainment of a Mid-Western US Female Adolescent Twin Cohort for Alcohol Studies: Assessment of Sample Representativeness Using Birth Record Data. <i>Twin Research and Human Genetics</i> , 2002, 5, 107-112. | 1.0  | 77        |
| 100 | Interaction of marital status and genetic risk for symptoms of depression. <i>Twin Research and Human Genetics</i> , 1998, 1, 119-122.  | 1.0  | 56        |
| 101 | Sex differences and non-additivity in the effects of genes on personality. <i>Twin Research and Human Genetics</i> , 1998, 1, 131-137.  | 1.0  | 36        |
| 102 | Interaction of marital status and genetic risk for symptoms of depression. <i>Twin Research and Human Genetics</i> , 1998, 1, 119-122.  | 1.0  | 43        |
| 103 | Sex differences and non-additivity in the effects of genes on personality. <i>Twin Research and Human Genetics</i> , 1998, 1, 131-137.  | 1.0  | 77        |
| 104 | A Model-fitting Approach to the Estimation of Genetic and Environmental Factors from Twin Data. <i>International Review of Psychiatry</i> , 1989, 1, 297-305.   | 2.8  | 3         |