

Toby Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

39,437
citations

15001

68
h-index

42259

96
g-index

101
all docs

101
docs citations

101
times ranked

45348
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. Nature Communications, 2021, 12, 24. | 5.8 | 87 |
| 2 | Disentangling the genetics of lean mass. American Journal of Clinical Nutrition, 2019, 109, 276-287. | 2.2 | 38 |
| 3 | Identification of new therapeutic targets for osteoarthritis through genome-wide analyses of UK Biobank data. Nature Genetics, 2019, 51, 230-236. | 9.4 | 331 |
| 4 | Genetic variants in PPARGC1B and CNTN4 are associated with thromboxane A2 formation and with cardiovascular event free survival in the Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT). Atherosclerosis, 2018, 269, 42-49. | 0.4 | 7 |
| 5 | Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. Nature Communications, 2017, 8, 80. | 5.8 | 147 |
| 6 | Phenome-wide association study using research participants' self-reported data provides insight into the Th17 and IL-17 pathway. PLoS ONE, 2017, 12, e0186405. | 1.1 | 16 |
| 7 | Communicating BRCA research results to patients enrolled in international clinical trials: lessons learnt from the AGO-OVAR 16 study. BMC Medical Ethics, 2016, 17, 63. | 1.0 | 1 |
| 8 | Lipoprotein-Associated Phospholipase A 2 Loss-of-Function Variant and Risk of Vascular Diseases in 90,000 Chinese Adults. Journal of the American College of Cardiology, 2016, 67, 230-231. | 1.2 | 23 |
| 9 | A Method to Exploit the Structure of Genetic Ancestry Space to Enhance Case-Control Studies. American Journal of Human Genetics, 2016, 98, 857-868. | 2.6 | 21 |
| 10 | The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. Nature Genetics, 2016, 48, 1171-1184. | 9.4 | 362 |
| 11 | A phenome-wide association study of a lipoprotein-associated phospholipase A ₂ loss-of-function variant in 90 000 Chinese adults. International Journal of Epidemiology, 2016, 45, 1588-1599. | 0.9 | 36 |
| 12 | HLA-B*57:01 Confers Susceptibility to Pazopanib-Associated Liver Injury in Patients with Cancer. Clinical Cancer Research, 2016, 22, 1371-1377. | 3.2 | 80 |
| 13 | Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. Science, 2016, 351, 1166-1171. | 6.0 | 438 |
| 14 | BRCA1/2 mutations associated with progression-free survival in ovarian cancer patients in the AGO-OVAR 16 study. Gynecologic Oncology, 2016, 140, 443-449. | 0.6 | 47 |
| 15 | The genetics of drug efficacy: opportunities and challenges. Nature Reviews Genetics, 2016, 17, 197-206. | 7.7 | 93 |
| 16 | New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196. | 13.7 | 1,328 |
| 17 | Modulation of Genetic Associations with Serum Urate Levels by Body-Mass-Index in Humans. PLoS ONE, 2015, 10, e0119752. | 1.1 | 64 |
| 18 | Gene-centric Meta-analysis in 87,736 Individuals of European Ancestry Identifies Multiple Blood-Pressure-Related Loci. American Journal of Human Genetics, 2014, 94, 349-360. | 2.6 | 158 |

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|----|---|-----|-----------|
| 19 | Gene-centric meta-analyses for central adiposity traits in up to 57 412 individuals of European descent confirm known loci and reveal several novel associations. <i>Human Molecular Genetics</i> , 2014, 23, 2498-2510. | 1.4 | 28 |
| 20 | Gene-Age Interactions in Blood Pressure Regulation: A Large-Scale Investigation with the CHARGE, Global BPgen, and ICBP Consortia. <i>American Journal of Human Genetics</i> , 2014, 95, 24-38. | 2.6 | 109 |
| 21 | Effects of Long-Term Averaging of Quantitative Blood Pressure Traits on the Detection of Genetic Associations. <i>American Journal of Human Genetics</i> , 2014, 95, 49-65. | 2.6 | 73 |
| 22 | The shared allelic architecture of adiponectin levels and coronary artery disease. <i>Atherosclerosis</i> , 2013, 229, 145-148. | 0.4 | 30 |
| 23 | Meta-analysis of Gene-Level Associations for Rare Variants Based on Single-Variant Statistics. <i>American Journal of Human Genetics</i> , 2013, 93, 236-248. | 2.6 | 60 |
| 24 | Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013, 45, 1274-1283. | 9.4 | 2,641 |
| 25 | Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013, 45, 1345-1352. | 9.4 | 754 |
| 26 | Loci influencing blood pressure identified using a cardiovascular gene-centric array. <i>Human Molecular Genetics</i> , 2013, 22, 1663-1678. | 1.4 | 141 |
| 27 | 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. | 9.4 | 578 |
| 28 | Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013, 45, 621-631. | 9.4 | 282 |
| 29 | Sex-stratified Genome-wide Association Studies Including 270,000 Individuals Show Sexual Dimorphism in Genetic Loci for Anthropometric Traits. <i>PLoS Genetics</i> , 2013, 9, e1003500. | 1.5 | 371 |
| 30 | The Metabochip, a Custom Genotyping Array for Genetic Studies of Metabolic, Cardiovascular, and Anthropometric Traits. <i>PLoS Genetics</i> , 2012, 8, e1002793. | 1.5 | 448 |
| 31 | Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. <i>PLoS Genetics</i> , 2012, 8, e1002607. | 1.5 | 419 |
| 32 | Genomewide Association Study Using a High-Density Single Nucleotide Polymorphism Array and Case-Control Design Identifies a Novel Essential Hypertension Susceptibility Locus in the Promoter Region of Endothelial NO Synthase. <i>Hypertension</i> , 2012, 59, 248-255. | 1.3 | 144 |
| 33 | Genome-wide association study of genetic determinants of LDL-c response to atorvastatin therapy: importance of Lp(a). <i>Journal of Lipid Research</i> , 2012, 53, 1000-1011. | 2.0 | 97 |
| 34 | Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012, 44, 991-1005. | 9.4 | 746 |
| 35 | Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. <i>Lancet</i> , The, 2012, 380, 572-580. | 6.3 | 1,937 |
| 36 | Impact of Common Variation in Bone-Related Genes on Type 2 Diabetes and Related Traits. <i>Diabetes</i> , 2012, 61, 2176-2186. | 0.3 | 31 |

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|----|--|-----|-----------|
| 37 | Common Variation in the NOS1AP Gene Is Associated With Drug-Induced QT Prolongation and Ventricular Arrhythmia. <i>Journal of the American College of Cardiology</i> , 2012, 60, 841-850. | 1.2 | 101 |
| 38 | Large-Scale Gene-Centric Meta-analysis across 32 Studies Identifies Multiple Lipid Loci. <i>American Journal of Human Genetics</i> , 2012, 91, 823-838. | 2.6 | 227 |
| 39 | A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. <i>PLoS ONE</i> , 2012, 7, e29202. | 1.1 | 197 |
| 40 | A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. <i>Nature Genetics</i> , 2012, 44, 659-669. | 9.4 | 762 |
| 41 | Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. <i>American Journal of Human Genetics</i> , 2012, 90, 410-425. | 2.6 | 239 |
| 42 | Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. <i>American Journal of Human Genetics</i> , 2012, 90, 753. | 2.6 | 4 |
| 43 | Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. <i>American Journal of Human Genetics</i> , 2012, 90, 1116-1117. | 2.6 | 0 |
| 44 | Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011, 43, 1131-1138. | 9.4 | 501 |
| 45 | Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. <i>American Journal of Human Genetics</i> , 2011, 88, 6-18. | 2.6 | 122 |
| 46 | Blood Pressure Loci Identified with a Gene-Centric Array. <i>American Journal of Human Genetics</i> , 2011, 89, 688-700. | 2.6 | 159 |
| 47 | Effect of Five Genetic Variants Associated with Lung Function on the Risk of Chronic Obstructive Lung Disease, and Their Joint Effects on Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 786-795. | 2.5 | 128 |
| 48 | Methods for testing association between uncertain genotypes and quantitative traits. <i>Biostatistics</i> , 2011, 12, 1-17. | 0.9 | 35 |
| 49 | Association of Hypertension Drug Target Genes With Blood Pressure and Hypertension in 86 588 Individuals. <i>Hypertension</i> , 2011, 57, 903-910. | 1.3 | 181 |
| 50 | Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. <i>Human Molecular Genetics</i> , 2011, 20, 2273-2284. | 1.4 | 168 |
| 51 | Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , 2011, 43, 1005-1011. | 9.4 | 403 |
| 52 | Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. <i>Nature Genetics</i> , 2011, 43, 1082-1090. | 9.4 | 367 |
| 53 | Four Genetic Loci Influencing Electrocardiographic Indices of Left Ventricular Hypertrophy. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 626-635. | 5.1 | 28 |
| 54 | A Comprehensive Evaluation of Potential Lung Function Associated Genes in the SpiroMeta General Population Sample. <i>PLoS ONE</i> , 2011, 6, e19382. | 1.1 | 56 |

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|----|--|------|-----------|
| 55 | Genome-wide association study of CNVs in 16,000 cases of eight common diseases and 3,000 shared controls. <i>Nature</i> , 2010, 464, 713-720. | 13.7 | 737 |
| 56 | Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010, 466, 707-713. | 13.7 | 3,249 |
| 57 | Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838. | 13.7 | 1,789 |
| 58 | Genome-wide association study identifies five loci associated with lung function. <i>Nature Genetics</i> , 2010, 42, 36-44. | 9.4 | 518 |
| 59 | Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. <i>Nature Genetics</i> , 2010, 42, 142-148. | 9.4 | 591 |
| 60 | Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010, 42, 373-375. | 9.4 | 246 |
| 61 | Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. <i>Nature Genetics</i> , 2010, 42, 949-960. | 9.4 | 836 |
| 62 | Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948. | 9.4 | 2,634 |
| 63 | Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. <i>Nature Genetics</i> , 2010, 42, 1068-1076. | 9.4 | 308 |
| 64 | Common Variants in the ATP2B1 Gene Are Associated With Susceptibility to Hypertension. <i>Hypertension</i> , 2010, 56, 973-980. | 1.3 | 96 |
| 65 | Genetic Variants Influencing Circulating Lipid Levels and Risk of Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2264-2276. | 1.1 | 369 |
| 66 | Genome-Wide Meta-Analysis for Serum Calcium Identifies Significantly Associated SNPs near the Calcium-Sensing Receptor (CASR) Gene. <i>PLoS Genetics</i> , 2010, 6, e1001035. | 1.5 | 84 |
| 67 | Genome-Wide Association Study of Blood Pressure Extremes Identifies Variant near UMOD Associated with Hypertension. <i>PLoS Genetics</i> , 2010, 6, e1001177. | 1.5 | 312 |
| 68 | Replication of the five novel loci for uric acid concentrations and potential mediating mechanisms. <i>Human Molecular Genetics</i> , 2010, 19, 387-395. | 1.4 | 89 |
| 69 | New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010, 42, 105-116. | 9.4 | 1,982 |
| 70 | Meta-Analysis of 28,141 Individuals Identifies Common Variants within Five New Loci That Influence Uric Acid Concentrations. <i>PLoS Genetics</i> , 2009, 5, e1000504. | 1.5 | 572 |
| 71 | The genetic architecture of blood pressure variation. <i>Current Cardiovascular Risk Reports</i> , 2009, 3, 418-425. | 0.8 | 12 |
| 72 | Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , 2009, 41, 25-34. | 9.4 | 1,572 |

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|----|---|------|-----------|
| 73 | Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009, 41, 77-81. | 9.4 | 662 |
| 74 | Genome-wide association study identifies eight loci associated with blood pressure. <i>Nature Genetics</i> , 2009, 41, 666-676. | 9.4 | 1,104 |
| 75 | Gene-centric Association Signals for Lipids and Apolipoproteins Identified via the HumanCVD BeadChip. <i>American Journal of Human Genetics</i> , 2009, 85, 628-642. | 2.6 | 183 |
| 76 | Population-Based Genome-wide Association Studies Reveal Six Loci Influencing Plasma Levels of Liver Enzymes. <i>American Journal of Human Genetics</i> , 2008, 83, 520-528. | 2.6 | 402 |
| 77 | Genes mirror geography within Europe. <i>Nature</i> , 2008, 456, 98-101. | 13.7 | 1,287 |
| 78 | Genome-wide association analysis identifies 20 loci that influence adult height. <i>Nature Genetics</i> , 2008, 40, 575-583. | 9.4 | 742 |
| 79 | Common variants near MC4R are associated with fat mass, weight and risk of obesity. <i>Nature Genetics</i> , 2008, 40, 768-775. | 9.4 | 1,179 |
| 80 | LDL-cholesterol concentrations: a genome-wide association study. <i>Lancet</i> , The, 2008, 371, 483-491. | 6.3 | 329 |
| 81 | Bayesian method for gene detection and mapping, using a case and control design and DNA pooling. <i>Biostatistics</i> , 2007, 8, 546-565. | 0.9 | 20 |
| 82 | MCALIGN2: faster, accurate global pairwise alignment of non-coding DNA sequences based on explicit models of indel evolution. <i>BMC Bioinformatics</i> , 2006, 7, 292. | 1.2 | 28 |
| 83 | Performance of Marker-Based Relatedness Estimators in Natural Populations of Outbred Vertebrates. <i>Genetics</i> , 2006, 173, 2091-2101. | 1.2 | 250 |
| 84 | Theoretical models of selection and mutation on quantitative traits. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1411-1425. | 1.8 | 304 |
| 85 | MCALIGN: Stochastic Alignment of Noncoding DNA Sequences Based on an Evolutionary Model of Sequence Evolution. <i>Genome Research</i> , 2004, 14, 442-450. | 2.4 | 52 |
| 86 | The fixation probability of a beneficial allele in a population dividing by binary fission. <i>Genetica</i> , 2002, 115, 283-287. | 0.5 | 19 |
| 87 | General Models of Multilocus Evolution. <i>Genetics</i> , 2002, 161, 1727-1750. | 1.2 | 198 |
| 88 | The Effect of Deleterious Alleles on Adaptation in Asexual Populations. <i>Genetics</i> , 2002, 162, 395-411. | 1.2 | 131 |
| 89 | The evolution of mutation rates: separating causes from consequences. <i>BioEssays</i> , 2000, 22, 1057-1066. | 1.2 | 403 |
| 90 | Quantitative genetics: Resolving wing shape genes. <i>Current Biology</i> , 2000, 10, R113-R115. | 1.8 | 3 |

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| 91 | The evolution of mutation rates: separating causes from consequences. , 2000, 22, 1057. | | 4 |
| 92 | The approach to mutationâ€™selection balance in an infinite asexual population, and the evolution of mutation rates. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2389-2397. | 1.2 | 96 |
| 93 | Beneficial Mutations, Hitchhiking and the Evolution of Mutation Rates in Sexual Populations. Genetics, 1999, 151, 1621-1631. | 1.2 | 104 |