

Elizabeth K Speliotes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|--------------------------|-----------------|-----------------|
| 80 papers | 22,469 citations | 44 h-index | 90 g-index |
| 90 ext. papers | 26,223 ext. citations | 15.4 avg, IF | 4.96 L-index |

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 80 | Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206 | 50.4 | 2687 |
| 79 | Genome-wide association analysis identifies loci for type 2 diabetes and triglyceride levels. <i>Science</i> , 2007 , 316, 1331-6 | 33.3 | 2364 |
| 78 | Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010 , 42, 937-48 | 36.3 | 2267 |
| 77 | Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010 , 467, 832-8 | 50.4 | 1514 |
| 76 | Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , 2009 , 41, 25-34 | 36.3 | 1368 |
| 75 | Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86 | 36.3 | 1339 |
| 74 | Common variants near MC4R are associated with fat mass, weight and risk of obesity. <i>Nature Genetics</i> , 2008 , 40, 768-75 | 36.3 | 1048 |
| 73 | New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196 | 50.4 | 920 |
| 72 | 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, 949-60 | 36.3 | 724 |
| 71 | Loss-of-function mutations in APOC3, triglycerides, and coronary disease. <i>New England Journal of Medicine</i> , 2014 , 371, 22-31 | 59.2 | 721 |
| 70 | Genome-wide association analysis identifies variants associated with nonalcoholic fatty liver disease that have distinct effects on metabolic traits. <i>PLoS Genetics</i> , 2011 , 7, e1001324 | 6 | 629 |
| 69 | Biological interpretation of genome-wide association studies using predicted gene functions. <i>Nature Communications</i> , 2015 , 6, 5890 | 17.4 | 489 |
| 68 | Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013 , 45, 501-12 | 36.3 | 437 |
| 67 | Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011 , 43, 1131-8 | 36.3 | 415 |
| 66 | Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190 | 50.4 | 412 |
| 65 | Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. <i>PLoS Genetics</i> , 2009 , 5, e1000508 | 6 | 393 |
| 64 | Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766 | 36.3 | 310 |

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| 63 | FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , 2012 , 490, 267-72 | 50.4 | 304 |
| 62 | 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 | 6 | 277 |
| 61 | Fatty liver is associated with dyslipidemia and dysglycemia independent of visceral fat: the Framingham Heart Study. <i>Hepatology</i> , 2010 , 51, 1979-87 | 11.2 | 277 |
| 60 | PNPLA3 variants specifically confer increased risk for histologic nonalcoholic fatty liver disease but not metabolic disease. <i>Hepatology</i> , 2010 , 52, 904-12 | 11.2 | 267 |
| 59 | Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011 , 43, 753-60 | 36.3 | 237 |
| 58 | Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. <i>JAMA Oncology</i> , 2017 , 3, 636-651 | 13.4 | 236 |
| 57 | The survivin-like C. elegans BIR-1 protein acts with the Aurora-like kinase AIR-2 to affect chromosomes and the spindle midzone. <i>Molecular Cell</i> , 2000 , 6, 211-23 | 17.6 | 223 |
| 56 | A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. <i>Nature Genetics</i> , 2013 , 45, 690-6 | 36.3 | 192 |
| 55 | Population genetic differentiation of height and body mass index across Europe. <i>Nature Genetics</i> , 2015 , 47, 1357-62 | 36.3 | 186 |
| 54 | 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 | 36.3 | 186 |
| 53 | Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , 2015 , 6, 5897 | 17.4 | 147 |
| 52 | 17-Beta Hydroxysteroid Dehydrogenase 13 Is a Hepatic Retinol Dehydrogenase Associated With Histological Features of Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , 2019 , 69, 1504-1519 | 11.2 | 133 |
| 51 | Genetic evidence for a normal-weight "metabolically obese" phenotype linking insulin resistance, hypertension, coronary artery disease, and type 2 diabetes. <i>Diabetes</i> , 2014 , 63, 4369-77 | 0.9 | 131 |
| 50 | Hepatic steatosis and cardiovascular disease outcomes: An analysis of the Framingham Heart Study. <i>Journal of Hepatology</i> , 2015 , 63, 470-6 | 13.4 | 119 |
| 49 | Sugar-sweetened beverage, diet soda, and fatty liver disease in the Framingham Heart Study cohorts. <i>Journal of Hepatology</i> , 2015 , 63, 462-9 | 13.4 | 112 |
| 48 | Association between variants in or near PNPLA3, GCKR, and PPP1R3B with ultrasound-defined steatosis based on data from the third National Health and Nutrition Examination Survey. <i>Clinical Gastroenterology and Hepatology</i> , 2013 , 11, 1183-1190.e2 | 6.9 | 95 |
| 47 | Liver fat is reproducibly measured using computed tomography in the Framingham Heart Study. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008 , 23, 894-9 | 4 | 94 |
| 46 | Genome-wide association of body fat distribution in African ancestry populations suggests new loci. <i>PLoS Genetics</i> , 2013 , 9, e1003681 | 6 | 92 |

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| 45 | Characterization of European ancestry nonalcoholic fatty liver disease-associated variants in individuals of African and Hispanic descent. <i>Hepatology</i> , 2013 , 58, 966-75 | 11.2 | 91 |
| 44 | Common body mass index-associated variants confer risk of extreme obesity. <i>Human Molecular Genetics</i> , 2009 , 18, 3502-7 | 5.6 | 91 |
| 43 | Increased expression of basic fibroblast growth factor (bFGF) following focal cerebral infarction in the rat. <i>Molecular Brain Research</i> , 1996 , 39, 31-42 | | 77 |
| 42 | Intramuscular fat and associations with metabolic risk factors in the Framingham Heart Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 863-70 | 9.4 | 69 |
| 41 | Genetic variation at NCAN locus is associated with inflammation and fibrosis in non-alcoholic fatty liver disease in morbid obesity. <i>Human Heredity</i> , 2013 , 75, 34-43 | 1.1 | 66 |
| 40 | TM6SF2: catch-22 in the fight against nonalcoholic fatty liver disease and cardiovascular disease?. <i>Gastroenterology</i> , 2015 , 148, 679-84 | 13.3 | 58 |
| 39 | Association of Nonalcoholic Fatty Liver Disease With Lower Brain Volume in Healthy Middle-aged Adults in the Framingham Study. <i>JAMA Neurology</i> , 2018 , 75, 97-104 | 17.2 | 54 |
| 38 | Nonalcoholic fatty liver disease and vascular function: cross-sectional analysis in the Framingham heart study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1284-91 | 9.4 | 53 |
| 37 | Genome-wide association analyses identify 39 new susceptibility loci for diverticular disease. <i>Nature Genetics</i> , 2018 , 50, 1359-1365 | 36.3 | 49 |
| 36 | Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity. <i>Human Molecular Genetics</i> , 2015 , 24, 6849-60 | 5.6 | 44 |
| 35 | Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019 , 51, 452-469 | 36.3 | 44 |
| 34 | Insights from Genome-Wide Association Analyses of Nonalcoholic Fatty Liver Disease. <i>Seminars in Liver Disease</i> , 2015 , 35, 375-91 | 7.3 | 37 |
| 33 | Novel association of rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns. <i>Journal of Lipid Research</i> , 2017 , 58, 1471-1481 | 6.3 | 35 |
| 32 | A Peripheral Blood DNA Methylation Signature of Hepatic Fat Reveals a Potential Causal Pathway for Nonalcoholic Fatty Liver Disease. <i>Diabetes</i> , 2019 , 68, 1073-1083 | 0.9 | 25 |
| 31 | Body mass index trajectories in young adulthood predict non-alcoholic fatty liver disease in middle age: The CARDIA cohort study. <i>Liver International</i> , 2018 , 38, 706-714 | 7.9 | 24 |
| 30 | rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. <i>Journal of Hepatology</i> , 2021 , 74, 20-30 | 13.4 | 24 |
| 29 | Adipose Tissue Depots and Their Cross-Sectional Associations With Circulating Biomarkers of Metabolic Regulation. <i>Journal of the American Heart Association</i> , 2016 , 5, | 6 | 23 |
| 28 | Genetic variants that associate with cirrhosis have pleiotropic effects on human traits. <i>Liver International</i> , 2020 , 40, 405-415 | 7.9 | 22 |

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| 27 | Insulin Resistance Exacerbates Genetic Predisposition to Nonalcoholic Fatty Liver Disease in Individuals Without Diabetes. <i>Hepatology Communications</i> , 2019 , 3, 894-907 | 6 | 21 |
| 26 | Recent Advances in Human Genetics and Epigenetics of Adiposity: Pathway to Precision Medicine?. <i>Gastroenterology</i> , 2017 , 152, 1695-1706 | 13.3 | 20 |
| 25 | Identification of seven novel loci associated with amino acid levels using single-variant and gene-based tests in 8545 Finnish men from the METSIM study. <i>Human Molecular Genetics</i> , 2018 , 27, 1664-1674 | 5.6 | 20 |
| 24 | A Comprehensive Analysis of Common and Rare Variants to Identify Adiposity Loci in Hispanic Americans: The IRAS Family Study (IRASFS). <i>PLoS ONE</i> , 2015 , 10, e0134649 | 3.7 | 17 |
| 23 | Comparison of the potency of competitive NMDA antagonists against the neurotoxicity of glutamate and NMDA. <i>Journal of Neurochemistry</i> , 1994 , 63, 879-85 | 6 | 16 |
| 22 | Treatment of Dyslipidemia in Common Liver Diseases. <i>Clinical Gastroenterology and Hepatology</i> , 2018 , 16, 1189-1196 | 6.9 | 16 |
| 21 | Independent markers of nonalcoholic fatty liver disease in a gentrifying population-based Chinese cohort. <i>Diabetes/Metabolism Research and Reviews</i> , 2019 , 35, e3156 | 7.5 | 15 |
| 20 | Genome-wide family-based linkage analysis of exome chip variants and cardiometabolic risk. <i>Genetic Epidemiology</i> , 2014 , 38, 345-52 | 2.6 | 14 |
| 19 | Genome-wide association study of serum liver enzymes implicates diverse metabolic and liver pathology. <i>Nature Communications</i> , 2021 , 12, 816 | 17.4 | 14 |
| 18 | Twenty-five-year trajectories of insulin resistance and pancreatic β -cell response and diabetes risk in nonalcoholic fatty liver disease. <i>Liver International</i> , 2018 , 38, 2069-2081 | 7.9 | 10 |
| 17 | Body Composition and Genetic Lipodystrophy Risk Score Associate With Nonalcoholic Fatty Liver Disease and Liver Fibrosis. <i>Hepatology Communications</i> , 2019 , 3, 1073-1084 | 6 | 9 |
| 16 | Genome-Wide Study of Subcutaneous and Visceral Adipose Tissue Reveals Novel Sex-Specific Adiposity Loci in Mexican Americans. <i>Obesity</i> , 2018 , 26, 202-212 | 8 | 9 |
| 15 | Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. <i>American Journal of Human Genetics</i> , 2021 , 108, 564-582 | 11 | 7 |
| 14 | Empirical characteristics of family-based linkage to a complex trait: the ADIPOQ region and adiponectin levels. <i>Human Genetics</i> , 2015 , 134, 203-13 | 6.3 | 6 |
| 13 | Allele-specific variation at APOE increases nonalcoholic fatty liver disease and obesity but decreases risk of Alzheimer's disease and myocardial infarction. <i>Human Molecular Genetics</i> , 2021 , 30, 1443-1456 | 5.6 | 5 |
| 12 | Loci identified by a genome-wide association study of carotid artery stenosis in the eMERGE network. <i>Genetic Epidemiology</i> , 2021 , 45, 4-15 | 2.6 | 5 |
| 11 | Functional Analysis of the Dengue Virus Genome Using an Insertional Mutagenesis Screen. <i>Journal of Virology</i> , 2018 , 92, | 6.6 | 4 |
| 10 | Genome-wide linkage and association analysis of cardiometabolic phenotypes in Hispanic Americans. <i>Journal of Human Genetics</i> , 2017 , 62, 175-184 | 4.3 | 4 |

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| 9 | rs641738C>T near MBOAT7 is positively associated with liver fat, ALT, and histological severity of NAFLD: a meta-analysis | | 3 |
| 8 | A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 372-387 | 5.6 | 3 |
| 7 | The genetic determinants of common human obesity. <i>Current Cardiovascular Risk Reports</i> , 2009 , 3, 411-417 | 4.7 | 2 |
| 6 | Knockout of murine Lyplal1 confers sex-specific protection against diet-induced obesity | | 1 |
| 5 | Treatment of Dyslipidemia in Common Liver Diseases. <i>Clinical Liver Disease</i> , 2019 , 14, 161-162 | 2.2 | 0 |
| 4 | Hepatic decompensation is accelerated in patients with cirrhosis and alpha-1 antitrypsin Pi*MZ genotype.. <i>JHEP Reports</i> , 2022 , 4, 100483 | 10.3 | 0 |
| 3 | Thwart your destiny; effect of nonalcoholic fatty liver disease genes on steatosis, liver injury and cirrhosis varies by body mass index. <i>Hepatology</i> , 2018 , 68, 372-374 | 11.2 | |
| 2 | Commentary on Diagnostic Problems in Hepatology Cases. <i>Seminars in Liver Disease</i> , 2015 , 35, 432-3 | 7.3 | |
| 1 | Genetic Pleiotropies of Obesity 2014 , 93-111 | | |