

New genetic loci link adipose and insulin biology to body mass index

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Multi-omic profiles of human non-alcoholic fatty liver disease tissue highlight heterogenic phenotypes. <i>Scientific Data</i> , 2015, 2, 150068.	2.4	48
4	Cross-species gene expression analysis identifies a novel set of genes implicated in human insulin sensitivity. <i>Npj Systems Biology and Applications</i> , 2015, 1, 15010.	1.4	11
5	The epigenetic signature of subcutaneous fat cells is linked to altered expression of genes implicated in lipid metabolism in obese women. <i>Clinical Epigenetics</i> , 2015, 7, 93.	1.8	54
6	Many obesity-associated SNPs strongly associate with DNA methylation changes at proximal promoters and enhancers. <i>Genome Medicine</i> , 2015, 7, 103.	3.6	124
7	The direction of cross affects obesity after puberty in male but not female offspring. <i>BMC Genomics</i> , 2015, 16, 904.	1.2	6
8	High visceral fat with low subcutaneous fat accumulation as a determinant of atherosclerosis in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2015, 14, 136.	2.7	61
9	Shaping fat distribution: New insights into the molecular determinants of depot- and sex-dependent adipose biology. <i>Obesity</i> , 2015, 23, 1345-1352.	1.5	110
10	Evaluation of the relationship between the pelvic floor muscles and insulin resistance. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2015, 8, 409.	1.1	10
11	Obesity and Insulin Resistance Are the Central Issues in Prevention of and Care for Comorbidities. <i>Healthcare (Switzerland)</i> , 2015, 3, 408-416.	1.0	5
12	New insights from monogenic diabetes for "common" type 2 diabetes. <i>Frontiers in Genetics</i> , 2015, 6, 251.	1.1	29
13	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015, 11, e1005378.	1.5	331
14	Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. <i>PLoS Genetics</i> , 2015, 11, e1005230.	1.5	77
15	Genetic Regulation of Puberty Timing in Humans. <i>Neuroendocrinology</i> , 2015, 102, 247-255.	1.2	43
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17	Can Genetics Modify the Influence of Healthy Lifestyle on Lipids in the Context of Obesity and Type 2 Diabetes?. <i>Current Cardiovascular Risk Reports</i> , 2015, 9, 1.	0.8	1
18	Functional Genomics Analysis of Big Data Identifies Novel Peroxisome Proliferator-Activated Receptor $\beta$ Target Single Nucleotide Polymorphisms Showing Association With Cardiometabolic Outcomes. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 842-851.	5.1	1
19	Insights into the Genetic Susceptibility to Type 2 Diabetes from Genome-Wide Association Studies of Obesity-Related Traits. <i>Current Diabetes Reports</i> , 2015, 15, 83.	1.7	47
20	GWAS as a Driver of Gene Discovery in Cardiometabolic Diseases. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 722-732.	3.1	29

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25	Leveraging Functional-Annotation Data in Trans-ethnic Fine-Mapping Studies. American Journal of Human Genetics, 2015, 97, 260-271.	2.6	186
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29	Genetics of Diabetic Nephropathy: a Long Road of Discovery. Current Diabetes Reports, 2015, 15, 41.	1.7	30
30	Plexin D1 determines body fat distribution by regulating the type V collagen microenvironment in visceral adipose tissue. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4363-4368.	3.3	61
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32	Apple or Pear: Size and Shape Matter. Cell Metabolism, 2015, 21, 507-508.	7.2	29
33	Strong evidence of sexual dimorphic effect of adiposity excess on insulin sensitivity. Acta Diabetologica, 2015, 52, 991-998.	1.2	4
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55	Archaic adaptive introgression in <i>TBX15/WARS2</i> . <i>Molecular Biology and Evolution</i> , 2017, 34, msw283.	3.5	101
56	Controlling the joint local false discovery rate is more powerful than meta-analysis methods in joint analysis of summary statistics from multiple genome-wide association studies. <i>Bioinformatics</i> , 2017, 33, 500-507.	1.8	21

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90	Genetic Risk Score Mendelian Randomization Shows that Obesity Measured as Body Mass Index, but not Waist:Hip Ratio, Is Causal for Endometrial Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016, 25, 1503-1510.	1.1	64
91	Interactions between genetic variants associated with adiposity traits and soft drinks in relation to longitudinal changes in body weight and waist circumference. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 816-826.	2.2	44
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117	Role of Adiponectin in Coronary Heart Disease Risk. <i>Circulation Research</i> , 2016, 119, 491-499.	2.0	77
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129	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016, 7, 10495.	5.8	245
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139	Association of polymorphisms in 5-HTT (SLC6A4) and MAOA genes with measures of obesity in young adults of Portuguese origin. <i>Archives of Physiology and Biochemistry</i> , 2016, 122, 8-13.	1.0	18
140	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. <i>Human Molecular Genetics</i> , 2016, 25, 389-403.	1.4	275
141	GM3 ganglioside and phosphatidylethanolamine-containing lipids are adipose tissue markers of insulin resistance in obese women. <i>International Journal of Obesity</i> , 2016, 40, 706-713.	1.6	28
142	Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. <i>Molecular Psychiatry</i> , 2017, 22, 192-201.	4.1	63
143	Associations between body mass index-related genetic variants and adult body composition: The Fenland cohort study. <i>International Journal of Obesity</i> , 2017, 41, 613-619.	1.6	14
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146	Molecular Profiling of Human <i>Induced Pluripotent Stem Cell</i> -Derived Hypothalamic Neurons Provides Developmental Insights into Genetic Loci for Body Weight Regulation. <i>Journal of Neuroendocrinology</i> , 2017, 29, .	1.2	4
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152	Genetically predicted milk consumption and bone health, ischemic heart disease and type 2 diabetes: a Mendelian randomization study. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 1008-1012.	1.3	44
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155	Genetic Control of Fatty Acid $\beta$ -Oxidation in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 738-748.	1.4	55
156	A molecular census of arcuate hypothalamus and median eminence cell types. <i>Nature Neuroscience</i> , 2017, 20, 484-496.	7.1	635
157	Sexual dimorphisms in genetic loci linked to body fat distribution. <i>Bioscience Reports</i> , 2017, 37, .	1.1	58
158	Inflammation, metaflammation and immunometabolic disorders. <i>Nature</i> , 2017, 542, 177-185.	13.7	1,502
159	A Genomewide Association Study Identifies Two Sex-Specific Loci, at <i>SPTB</i> and <i>IZUMO3</i> , Influencing Pediatric Bone Mineral Density at Multiple Skeletal Sites. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1274-1281.	3.1	30
160	Reducing VEGF-B Signaling Ameliorates Renal Lipotoxicity and Protects against Diabetic Kidney Disease. <i>Cell Metabolism</i> , 2017, 25, 713-726.	7.2	115
161	Genetic Regulation of Adipose Gene Expression and Cardio-Metabolic Traits. <i>American Journal of Human Genetics</i> , 2017, 100, 428-443.	2.6	141
162	Genetic Association of Waist-to-Hip Ratio With Cardiometabolic Traits, Type 2 Diabetes, and Coronary Heart Disease. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 626.	3.8	313
163	Trans-ethnic fine-mapping of genetic loci for body mass index in the diverse ancestral populations of the Population Architecture using Genomics and Epidemiology (PAGE) Study reveals evidence for multiple signals at established loci. <i>Human Genetics</i> , 2017, 136, 771-800.	1.8	31
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166	Flow cytometric single cell analysis reveals heterogeneity between adipose depots. <i>Adipocyte</i> , 2017, 6, 112-123.	1.3	26
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333	Association of Genetic Variants Related to Gluteofemoral vs Abdominal Fat Distribution With Type 2 Diabetes, Coronary Disease, and Cardiovascular Risk Factors. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2553.	3.8	152
334	An Enrichment Analysis for Cardiometabolic Traits Suggests Non-Random Assignment of Genes to microRNAs. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3666.	1.8	4
335	Genetics of self-reported risk-taking behaviour, trans-ethnic consistency and relevance to brain gene expression. <i>Translational Psychiatry</i> , 2018, 8, 178.	2.4	29
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338	Epigenetic prediction of complex traits and death. <i>Genome Biology</i> , 2018, 19, 136.	3.8	146
339	Type 2 diabetes genetic loci informed by multi-trait associations point to disease mechanisms and subtypes: A soft clustering analysis. <i>PLoS Medicine</i> , 2018, 15, e1002654.	3.9	373
340	Phenotype-Specific Enrichment of Mendelian Disorder Genes near GWAS Regions across 62 Complex Traits. <i>American Journal of Human Genetics</i> , 2018, 103, 535-552.	2.6	90
341	Opposite Genetic Effects of CMIP Polymorphisms on the Risk of Type 2 Diabetes and Obesity: A Family-Based Study in China. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1011.	1.8	12
342	Adiposity Is a Key Correlate of Circulating Fibroblast Growth Factor-21 Levels in African Males with or without Type 2 Diabetes Mellitus. <i>Journal of Obesity</i> , 2018, 2018, 1-8.	1.1	9
343	Birthweight, Type 2 Diabetes Mellitus, and Cardiovascular Disease. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002054.	1.6	96
344	Body composition and insulin resistance in children. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 1239-1245.	1.3	62
345	Genetics of obesity and its measures in India. <i>Journal of Genetics</i> , 2018, 97, 1047-1071.	0.4	6
346	Association of Genetically Enhanced Lipoprotein Lipase-Mediated Lipolysis and Low-Density Lipoprotein Cholesterol-Lowering Alleles With Risk of Coronary Disease and Type 2 Diabetes. <i>JAMA Cardiology</i> , 2018, 3, 957.	3.0	55
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348	The role of eating behavior traits in mediating genetic susceptibility to obesity. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 445-452.	2.2	39
349	Genome-wide association study of response to tumour necrosis factor inhibitor therapy in rheumatoid arthritis. <i>Pharmacogenomics Journal</i> , 2018, 18, 657-664.	0.9	41

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351	Identification of Novel Candidate Markers of Type 2 Diabetes and Obesity in Russia by Exome Sequencing with a Limited Sample Size. <i>Genes</i> , 2018, 9, 415.	1.0	22
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354	Sex differences in lipid and lipoprotein metabolism. <i>Molecular Metabolism</i> , 2018, 15, 45-55.	3.0	286
355	Role of obesity in smoking behaviour: Mendelian randomisation study in UK Biobank. <i>BMJ: British Medical Journal</i> , 2018, 361, k1767.	2.4	122
356	Physical activity modifies genetic susceptibility to obesity in postmenopausal women. <i>Menopause</i> , 2018, 25, 1131-1137.	0.8	7
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359	The Carbohydrate-Insulin Model of Obesity Is Difficult to Reconcile With Current Evidence. <i>JAMA Internal Medicine</i> , 2018, 178, 1103.	2.6	44
360	The transcription factor Rfx7 limits metabolism of NK cells and promotes their maintenance and immunity. <i>Nature Immunology</i> , 2018, 19, 809-820.	7.0	42
361	Causal Inference in Cancer Epidemiology: What Is the Role of Mendelian Randomization?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018, 27, 995-1010.	1.1	109
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364	Mendelian randomisation in type 2 diabetes and coronary artery disease. <i>Current Opinion in Genetics and Development</i> , 2018, 50, 111-120.	1.5	13
365	Impaired Adipogenesis and Dysfunctional Adipose Tissue in Human Hypertrophic Obesity. <i>Physiological Reviews</i> , 2018, 98, 1911-1941.	13.1	285
366	Maternal central obesity and birth size: a Mendelian randomization analysis. <i>Lipids in Health and Disease</i> , 2018, 17, 181.	1.2	13
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370	Genome-Wide Association Studies and Risk Scores for Coronary Artery Disease: Sex Biases. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1065, 627-642.	0.8	13
371	Adiponectin and coronary artery disease risk: A bi-directional Mendelian randomization study. <i>International Journal of Cardiology</i> , 2018, 268, 222-226.	0.8	24
372	Empirical Bayesian approach to testing multiple hypotheses with separate priors for left and right alternatives. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2018, 17, .	0.2	0
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377	A fine-mapping study of central obesity loci incorporating functional annotation and imputation. <i>European Journal of Human Genetics</i> , 2018, 26, 1369-1377.	1.4	4
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379	Trends in Obesity and Risk of Cardiovascular Disease. <i>Current Epidemiology Reports</i> , 2018, 5, 243-251.	1.1	36
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383	Assessing causal estimates of the association of obesity-related traits with coronary artery disease using a Mendelian randomization approach. <i>Scientific Reports</i> , 2018, 8, 7146.	1.6	11
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394	Cohort Profile: Genetics of Diabetes Audit and Research in Tayside Scotland (GoDARTS). <i>International Journal of Epidemiology</i> , 2018, 47, 380-381j.	0.9	59
395	Genomic insights into the causes of type 2 diabetes. <i>Lancet, The</i> , 2018, 391, 2463-2474.	6.3	110
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397	Human Genetics of Obesity and Type 2 Diabetes Mellitus. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002090.	1.6	58
398	Genome-wide association study of habitual physical activity in over 377,000 UK Biobank participants identifies multiple variants including <i>CADM2</i> and <i>APOE</i> . <i>International Journal of Obesity</i> , 2018, 42, 1161-1176.	1.6	249
399	Determinants of body fat distribution in humans may provide insight about obesity-related health risks. <i>Journal of Lipid Research</i> , 2019, 60, 1710-1719.	2.0	132
400	A Geometric Perspective on the Power of Principal Component Association Tests in Multiple Phenotype Studies. <i>Journal of the American Statistical Association</i> , 2019, 114, 975-990.	1.8	26
401	Identification of Dietary Patterns Associated with Incidence of Hyperglycemia in Middle-Aged and Older Korean Adults. <i>Nutrients</i> , 2019, 11, 1801.	1.7	16
403	Expression analysis of <i>CEBPA</i> and its antisense RNA revealed their dysregulation in peripheral blood of coronary artery disease patients. <i>Gene Reports</i> , 2019, 16, 100466.	0.4	0
404	Lipidomics, Atrial Conduction, and Body Mass Index. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002384.	1.6	9

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408	Genetic Association Study of Eight Steroid Hormones and Implications for Sexual Dimorphism of Coronary Artery Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5008-5023.	1.8	37
409	Genetic variants influencing obesity-related traits in Japanese population. <i>Annals of Human Biology</i> , 2019, 46, 298-304.	0.4	7
410	Genetic mapping of cell type specificity for complex traits. <i>Nature Communications</i> , 2019, 10, 3222.	5.8	212
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413	Novel Genetic Locus of Visceral Fat and Systemic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3735-3742.	1.8	11
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416	A Phenome-Wide Mendelian Randomization Study of Pancreatic Cancer Using Summary Genetic Data. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 2070-2078.	1.1	24
417	Methylome and transcriptome maps of human visceral and subcutaneous adipocytes reveal key epigenetic differences at developmental genes. <i>Scientific Reports</i> , 2019, 9, 9511.	1.6	24
418	Body Shape and Alzheimerâ€™s Disease: A Mendelian Randomization Analysis. <i>Frontiers in Neuroscience</i> , 2019, 13, 1084.	1.4	13
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420	Circulating vitamin E and cardiometabolic measures: a Mendelian randomization analysis. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 65, 160-169.	0.6	3
421	Bayesian multivariate reanalysis of large genetic studies identifies many new associations. <i>PLoS Genetics</i> , 2019, 15, e1008431.	1.5	14
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425	Disparity in Adiposity among Adults with Normal Body Mass Index and Waist-to-Height Ratio. <i>IScience</i> , 2019, 21, 612-623.	1.9	8
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429	Genetic risk score predicts risk for overweight and obesity in Finnish preadolescents. <i>Clinical Obesity</i> , 2019, 9, e12342.	1.1	10
430	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1079-1087.	2.2	22
431	Genome-wide association analysis of 95,549 individuals identifies novel loci and genes influencing optic disc morphology. <i>Human Molecular Genetics</i> , 2019, 28, 3680-3690.	1.4	19
432	Whole Genome Analyses of Chinese Population and De Novo Assembly of A Northern Han Genome. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 229-247.	3.0	42
433	Metabolic and Endocrine Consequences of Bariatric Surgery. <i>Frontiers in Endocrinology</i> , 2019, 10, 626.	1.5	62
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435	Genetic Basis of Obesity and Type 2 Diabetes in Africans: Impact on Precision Medicine. <i>Current Diabetes Reports</i> , 2019, 19, 105.	1.7	9
436	The Many Faces of Obesity and Its Influence on Breast Cancer Risk. <i>Frontiers in Oncology</i> , 2019, 9, 765.	1.3	56
437	Adipose Tissue Gene Expression Associations Reveal Hundreds of Candidate Genes for Cardiometabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 105, 773-787.	2.6	45
438	Large-Scale "OMICS" Studies to Explore the Physiopathology of HIV-1 Infection. <i>Frontiers in Genetics</i> , 2019, 10, 799.	1.1	8
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444	A fully adjusted two-stage procedure for rank-normalization in genetic association studies. <i>Genetic Epidemiology</i> , 2019, 43, 263-275.	0.6	60
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446	Genetic architecture of human thinness compared to severe obesity. <i>PLoS Genetics</i> , 2019, 15, e1007603.	1.5	98
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451	Regional fat depot masses are influenced by protein-coding gene variants. <i>PLoS ONE</i> , 2019, 14, e0217644.	1.1	9
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455	Sexual Dimorphism of a Genetic Risk Score for Obesity and Related Traits among Chinese Patients with Type 2 Diabetes. <i>Obesity Facts</i> , 2019, 12, 328-343.	1.6	7
456	Authors'™ response: Associations of obesity and circulating insulin and glucose with breast cancer risk. <i>International Journal of Epidemiology</i> , 2019, 48, 1016-1017.	0.9	1
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461	Transcultural Diabetes Care in The United States – A Position Statement by the American Association of Clinical Endocrinologists. <i>Endocrine Practice</i> , 2019, 25, 729-765.	1.1	19
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463	Benefits and limitations of genome-wide association studies. <i>Nature Reviews Genetics</i> , 2019, 20, 467-484.	7.7	1,226
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473	Low-Carb and Ketogenic Diets in Type 1 and Type 2 Diabetes. <i>Nutrients</i> , 2019, 11, 962.	1.7	129
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475	GWAS of smoking behaviour in 165,436 Japanese people reveals seven new loci and shared genetic architecture. <i>Nature Human Behaviour</i> , 2019, 3, 471-477.	6.2	54
476	Metabolomic correlates of central adiposity and earlier-life body mass index. <i>Journal of Lipid Research</i> , 2019, 60, 1136-1143.	2.0	2
477	Increased Diet Quality is Associated with Long-Term Reduction of Abdominal and Pericardial Fat. <i>Obesity</i> , 2019, 27, 670-677.	1.5	13

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479	The Genetic Basis of Metabolic Disease. <i>Cell</i> , 2019, 177, 146-161.	13.5	104
480	Primers on nutrigenetics and nutri(epi)genomics: Origins and development of precision nutrition. <i>Biochimie</i> , 2019, 160, 156-171.	1.3	58
481	Genetic overlap between birthweight and adult cardiometabolic diseases has implications for genomic medicine. <i>Scientific Reports</i> , 2019, 9, 4076.	1.6	5
482	Discovering metabolic disease gene interactions by correlated effects on cellular morphology. <i>Molecular Metabolism</i> , 2019, 24, 108-119.	3.0	13
483	Influence of obesity on surgical complications of patients with ovarian tumors. <i>Oncology Letters</i> , 2019, 17, 4590-4594.	0.8	3
484	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019, 51, 636-648.	9.4	112
485	Identification of a 1p21 independent functional variant for abdominal obesity. <i>International Journal of Obesity</i> , 2019, 43, 2480-2490.	1.6	5
486	Genome-wide association study reveals sex-specific genetic architecture of facial attractiveness. <i>PLoS Genetics</i> , 2019, 15, e1007973.	1.5	5
487	Dairy Product Intake and Risk of Type 2 Diabetes in EPIC-InterAct: A Mendelian Randomization Study. <i>Diabetes Care</i> , 2019, 42, 568-575.	4.3	29
488	Evaluation of GDF15 as a therapeutic target of cardiometabolic diseases in human: A Mendelian randomization study. <i>EBioMedicine</i> , 2019, 41, 85-90.	2.7	33
489	Genetic Architecture of Human Obesity Traits in the Rhesus Macaque. <i>Obesity</i> , 2019, 27, 479-488.	1.5	1
490	Genetic basis of motoric cognitive risk syndrome in the Health and Retirement Study. <i>Neurology</i> , 2019, 92, e1427-e1434.	1.5	23
491	Shared genetic architecture between metabolic traits and Alzheimer's disease: a large-scale genome-wide cross-trait analysis. <i>Human Genetics</i> , 2019, 138, 271-285.	1.8	52
492	Obesity and Bone Health Revisited: A Mendelian Randomization Study for Koreans. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1058-1067.	3.1	26
493	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019, 51, 452-469.	9.4	89
494	Causal relationships among the gut microbiome, short-chain fatty acids and metabolic diseases. <i>Nature Genetics</i> , 2019, 51, 600-605.	9.4	854
495	The effect of liver enzymes on adiposity: a Mendelian randomization study. <i>Scientific Reports</i> , 2019, 9, 16792.	1.6	4

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