Kirsi H Pietilinen

List of Publications by Citations

203 papers	14,939 citations	56 h-index	120 g-index
222 ext. papers	17,606 ext. citations	8.1 avg, IF	5.58 L-index

#	Paper	IF	Citations
203	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nature Genetics*, **2010**, 42, 937-48	36.3	2267
202	Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature*, **2010**, 467, 832-8	50.4	1514
201	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. *Nature Genetics*, **2010**, 42, 949-60	36.3	724
200	Genome-wide association analysis identifies variants associated with nonalcoholic fatty liver disease that have distinct effects on metabolic traits. *PLoS Genetics*, **2011**, 7, e1001324	6	629
199	Genome-wide association study identifies multiple loci influencing human serum metabolite levels. *Nature Genetics*, **2012**, 44, 269-76	36.3	441
198	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. *Nature Genetics*, **2011**, 43, 1131-8	36.3	415
197	Liver fat in the metabolic syndrome. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 3490-7	5.6	323
196	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nature Genetics*, **2011**, 43, 1082-90	36.3	313
195	Acquired obesity is associated with changes in the serum lipidomic profile independent of genetic effects--a monozygotic twin study. *PLoS ONE*, **2007**, 2, e218	3.7	306
194	FGF-21 as a biomarker for muscle-manifesting mitochondrial respiratory chain deficiencies: a diagnostic study. *Lancet Neurology, The*, **2011**, 10, 806-18	24.1	274
193	Bacterial endotoxin activity in human serum is associated with dyslipidemia, insulin resistance, obesity, and chronic inflammation. *Diabetes Care*, **2011**, 34, 1809-15	14.6	271
192	Sex differences in heritability of BMI: a comparative study of results from twin studies in eight countries. *Twin Research and Human Genetics*, **2003**, 6, 409-21		222
191	Global transcript profiles of fat in monozygotic twins discordant for BMI: pathways behind acquired obesity. *PLoS Medicine*, **2008**, 5, e51	11.6	218
190	Metabolic signatures of adiposity in young adults: Mendelian randomization analysis and effects of weight change. *PLoS Medicine*, **2014**, 11, e1001765	11.6	193
189	Mitochondrial myopathy induces a starvation-like response. *Human Molecular Genetics*, **2010**, 19, 3948-58	5.6	192
188	Physical inactivity and obesity: a vicious circle. *Obesity*, **2008**, 16, 409-14	8	190
187	An Integrated Understanding of the Rapid Metabolic Benefits of a Carbohydrate-Restricted Diet on Hepatic Steatosis in Humans. *Cell Metabolism*, **2018**, 27, 559-571.e5	24.6	189

186	Overexpression of 11beta-hydroxysteroid dehydrogenase-1 in adipose tissue is associated with acquired obesity and features of insulin resistance: studies in young adult monozygotic twins. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 4414-21	5.6	189
185	Impaired Mitochondrial Biogenesis in Adipose Tissue in Acquired Obesity. *Diabetes*, **2015**, 64, 3135-45	0.9	177
184	Efficacy and safety of dapagliflozin in patients with inadequately controlled type 1 diabetes (DEPICT-1): 24 week results from a multicentre, double-blind, phase 3, randomised controlled trial. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 864-876	18.1	174
183	Association of lipidome remodeling in the adipocyte membrane with acquired obesity in humans. *PLoS Biology*, **2011**, 9, e1000623	9.7	169
182	Blunted metabolic responses to cold and insulin stimulation in brown adipose tissue of obese humans. *Obesity*, **2013**, 21, 2279-87	8	167
181	Directional dominance on stature and cognition in diverse human populations. *Nature*, **2015**, 523, 459-462	30.4	119
180	Metabolically healthy and unhealthy obese--the 2013 Stock Conference report. *Obesity Reviews*, **2014**, 15, 697-708	10.6	118
179	Does dieting make you fat? A twin study. *International Journal of Obesity*, **2012**, 36, 456-64	5.5	116
178	Physical activity reduces the influence of genetic effects on BMI and waist circumference: a study in young adult twins. *International Journal of Obesity*, **2009**, 33, 29-36	5.5	111
177	Efficacy and Safety of Dapagliflozin in Patients With Inadequately Controlled Type 1 Diabetes: The DEPICT-1 52-Week Study. *Diabetes Care*, **2018**, 41, 2552-2559	14.6	109
176	Tracking of body size from birth to late adolescence: contributions of birth length, birth weight, duration of gestation, parentsR body size, and twinship. *American Journal of Epidemiology*, **2001**, 154, 21-9	3.8	106
175	Distribution and heritability of BMI in Finnish adolescents aged 16y and 17y: a study of 4884 twins and 2509 singletons. *International Journal of Obesity*, **1999**, 23, 107-15	5.5	106
174	Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nature Genetics*, **2014**, 46, 669-77	36.3	104
173	Characterising metabolically healthy obesity in weight-discordant monozygotic twins. *Diabetologia*, **2014**, 57, 167-76	10.3	104
172	Genetic factors contribute to variation in serum alanine aminotransferase activity independent of obesity and alcohol: a study in monozygotic and dizygotic twins. *Journal of Hepatology*, **2009**, 50, 1035-42	13.4	103
171	Predictors of abdominal obesity among 31-y-old men and women born in Northern Finland in 1966. *European Journal of Clinical Nutrition*, **2004**, 58, 180-90	5.2	99
170	Obesity Is Associated With Low NAD(+)/SIRT Pathway Expression in Adipose Tissue of BMI-Discordant Monozygotic Twins. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 275-83	5.6	93
169	Telomere length in circulating leukocytes is associated with lung function and disease. *European Respiratory Journal*, **2014**, 43, 983-92	13.6	83

168	Habitual dietary intake is associated with stool microbiota composition in monozygotic twins. *Journal of Nutrition*, **2013**, 143, 417-23	4.1	83
167	The Concordance and Heritability of Type 2 Diabetes in 34,166 Twin Pairs From International Twin Registers: The Discordant Twin (DISCOTWIN) Consortium. *Twin Research and Human Genetics*, **2015**, 18, 762-71	2.2	79
166	Men and women respond differently to rapid weight loss: Metabolic outcomes of a multi-centre intervention study after a low-energy diet in 2500 overweight, individuals with pre-diabetes (PREVIEW). *Diabetes, Obesity and Metabolism*, **2018**, 20, 2840-2851	6.7	73
165	Genetic and environmental contributions to food use patterns of young adult twins. *Physiology and Behavior*, **2008**, 93, 235-42	3.5	73
164	Notum produced by Paneth cells attenuates regeneration of aged intestinal epithelium. *Nature*, **2019**, 571, 398-402	50.4	72
163	Acquired obesity is associated with increased liver fat, intra-abdominal fat, and insulin resistance in young adult monozygotic twins. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E768-74	6	71
162	Niacin Cures Systemic NAD Deficiency and Improves Muscle Performance in Adult-Onset Mitochondrial Myopathy. *Cell Metabolism*, **2020**, 31, 1078-1090.e5	24.6	70
161	Differences in genetic and environmental variation in adult BMI by sex, age, time period, and region: an individual-based pooled analysis of 40 twin cohorts. *American Journal of Clinical Nutrition* , **2017**, 106, 457-466	7	69
160	Inaccuracies in food and physical activity diaries of obese subjects: complementary evidence from doubly labeled water and co-twin assessments. *International Journal of Obesity*, **2010**, 34, 437-45	5.5	69
159	Increased coagulation factor VIII, IX, XI and XII activities in non-alcoholic fatty liver disease. *Liver International*, **2011**, 31, 176-83	7.9	67
158	Leisure-time physical activity and high-risk fat: a longitudinal population-based twin study. *International Journal of Obesity*, **2009**, 33, 1211-8	5.5	66
157	Adipocyte morphology and implications for metabolic derangements in acquired obesity. *International Journal of Obesity*, **2014**, 38, 1423-31	5.5	64
156	Adverse effects of fructose on cardiometabolic risk factors and hepatic lipid metabolism in subjects with abdominal obesity. *Journal of Internal Medicine*, **2017**, 282, 187-201	10.8	63
155	Genetic variation in the ADIPOR2 gene is associated with liver fat content and its surrogate markers in three independent cohorts. *European Journal of Endocrinology*, **2009**, 160, 593-602	6.5	62
154	Expression of fatty-acid-handling proteins in human adipose tissue in relation to obesity and insulin resistance. *Diabetologia*, **2004**, 47, 1118-25	10.3	62
153	Association of smoking in adolescence with abdominal obesity in adulthood: a follow-up study of 5 birth cohorts of Finnish twins. *American Journal of Public Health*, **2009**, 99, 348-54	5.1	59
152	Acquired obesity and poor physical fitness impair expression of genes of mitochondrial oxidative phosphorylation in monozygotic twins discordant for obesity. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E148-54	6	59
151	Acquired obesity increases CD68 and tumor necrosis factor-alpha and decreases adiponectin gene expression in adipose tissue: a study in monozygotic twins. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 2776-81	5.6	58

150	Genome-wide blood DNA methylation alterations at regulatory elements and heterochromatic regions in monozygotic twins discordant for obesity and liver fat. *Clinical Epigenetics*, **2015**, 7, 39	7.7	56
149	Use of genome-wide expression data to mine the "Gray Zone" of GWA studies leads to novel candidate obesity genes. *PLoS Genetics*, **2010**, 6, e1000976	6	56
148	Smoking induces coordinated DNA methylation and gene expression changes in adipose tissue with consequences for metabolic health. *Clinical Epigenetics*, **2018**, 10, 126	7.7	56
147	Genetic and environmental influences on the tracking of body size from birth to early adulthood. *Obesity*, **2002**, 10, 875-84		55
146	Growth patterns in young adult monozygotic twin pairs discordant and concordant for obesity. *Twin Research and Human Genetics*, **2004**, 7, 421-9		53
145	Adipose tissue NAD-homeostasis, sirtuins and poly(ADP-ribose) polymerases -important players in mitochondrial metabolism and metabolic health. *Redox Biology*, **2017**, 12, 246-263	11.3	52
144	Modification effects of physical activity and protein intake on heritability of body size and composition. *American Journal of Clinical Nutrition*, **2009**, 90, 1096-103	7	51
143	Causes and consequences of obesity: the contribution of recent twin studies. *International Journal of Obesity*, **2012**, 36, 1017-24	5.5	51
142	Eating styles, overweight and obesity in young adult twins. *European Journal of Clinical Nutrition*, **2007**, 61, 822-9	5.2	51
141	Age- and sex-specific causal effects of adiposity on cardiovascular risk factors. *Diabetes*, **2015**, 64, 1841-52	9	50
140	Genetic and environmental factors in relative weight from birth to age 18: the Swedish young male twins study. *International Journal of Obesity*, **2007**, 31, 615-21	5.5	50
139	DNA methylation and gene expression patterns in adipose tissue differ significantly within young adult monozygotic BMI-discordant twin pairs. *International Journal of Obesity*, **2016**, 40, 654-61	5.5	48
138	Agreement of bioelectrical impedance with dual-energy X-ray absorptiometry and MRI to estimate changes in body fat, skeletal muscle and visceral fat during a 12-month weight loss intervention. *British Journal of Nutrition*, **2013**, 109, 1910-6	3.6	48
137	Liver fat but not other adiposity measures influence circulating FGF21 levels in healthy young adult twins. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E351-5	5.6	48
136	Suppressed bone turnover in obesity: a link to energy metabolism? A case-control study. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 2155-63	5.6	47
135	Comparison of the relative contributions of intra-abdominal and liver fat to components of the metabolic syndrome. *Obesity*, **2011**, 19, 23-8	8	46
134	Evidence that BMI and type 2 diabetes share only a minor fraction of genetic variance: a follow-up study of 23,585 monozygotic and dizygotic twins from the Finnish Twin Cohort Study. *Diabetologia*, **2010**, 53, 1314-21	10.3	46
133	Does parity affect mortality among parous women?. *Journal of Epidemiology and Community Health*, **2006**, 60, 968-73	5.1	46

132	Serum angiopoietin-like 4 protein levels and expression in adipose tissue are inversely correlated with obesity in monozygotic twins. *Journal of Lipid Research*, **2011**, 52, 1575-82	6.3	44
131	An investigation into the relationship between soft tissue body composition and bone mineral density in a young adult twin sample. *Journal of Bone and Mineral Research*, **2011**, 26, 79-87	6.3	43
130	Modified Atkins diet induces subacute selective ragged-red-fiber lysis in mitochondrial myopathy patients. *EMBO Molecular Medicine*, **2016**, 8, 1234-1247	12	43
129	Daily energy expenditure through the human life course. *Science*, **2021**, 373, 808-812	33.3	43
128	Weight Loss Is Associated With Increased NAD(+)/SIRT1 Expression But Reduced PARP Activity in White Adipose Tissue. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 1263-73	5.6	42
127	Abdominal obesity and circulating metabolites: A twin study approach. *Metabolism: Clinical and Experimental*, **2016**, 65, 111-21	12.7	42
126	Liraglutide treatment improves postprandial lipid metabolism and cardiometabolic risk factors in humans with adequately controlled type 2 diabetes: A single-centre randomized controlled study. *Diabetes, Obesity and Metabolism*, **2019**, 21, 84-94	6.7	41
125	Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. *American Journal of Human Genetics*, **2020**, 106, 389-404	11	40
124	Mitochondria-related transcriptional signature is downregulated in adipocytes in obesity: a study of young healthy MZ twins. *Diabetologia*, **2017**, 60, 169-181	10.3	39
123	Quantitative profiling of bile acids in blood, adipose tissue, intestine, and gall bladder samples using ultra high performance liquid chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7799-815	4.4	39
122	Genetic regulation of growth from birth to 18 years of age: the Swedish young male twins study. *American Journal of Human Biology*, **2008**, 20, 292-8	2.7	39
121	GLP-1 responses are heritable and blunted in acquired obesity with high liver fat and insulin resistance. *Diabetes Care*, **2014**, 37, 242-51	14.6	38
120	Association of body mass index with arterial stiffness and blood pressure components: a twin study. *Atherosclerosis*, **2013**, 229, 388-95	3.1	35
119	Obesity-related derangements of coagulation and fibrinolysis: a study of obesity-discordant monozygotic twin pairs. *Obesity*, **2012**, 20, 88-94	8	35
118	No association between body size at birth and leucocyte telomere length in adult life--evidence from three cohort studies. *International Journal of Epidemiology*, **2012**, 41, 1400-8	7.8	35
117	White adipose tissue mitochondrial metabolism in health and in obesity. *Obesity Reviews*, **2020**, 21, e12958	8.6	35
116	Association of MMP-8 with obesity, smoking and insulin resistance. *European Journal of Clinical Investigation*, **2016**, 46, 757-65	4.6	35
115	Intentional weight loss in young adults: sex-specific genetic and environmental effects. *Obesity*, **2005**, 13, 745-53		34

114	Diet, obesity, and metabolic control in girls with insulin dependent diabetes mellitus. *Archives of Disease in Childhood*, **1995**, 73, 398-402	2.2	33
113	Metabolomes of mitochondrial diseases and inclusion body myositis patients: treatment targets and biomarkers. *EMBO Molecular Medicine*, **2018**, 10,	12	33
112	Epicardial fat, cardiac dimensions, and low-grade inflammation in young adult monozygotic twins discordant for obesity. *American Journal of Cardiology*, **2012**, 109, 1295-302	3	32
111	Effects of 32-year leisure time physical activity discordance in twin pairs on health (TWINACTIVE study): aims, design and results for physical fitness. *Twin Research and Human Genetics*, **2009**, 12, 108-17	2.2	30
110	HDL subspecies in young adult twins: heritability and impact of overweight. *Obesity*, **2009**, 17, 1208-14	8	29
109	Serotonin transporter binding and acquired obesity -- an imaging study of monozygotic twin pairs. *Physiology and Behavior*, **2008**, 93, 724-32	3.5	29
108	Association between habitual dietary intake and lipoprotein subclass profile in healthy young adults. *Nutrition, Metabolism and Cardiovascular Diseases*, **2013**, 23, 1071-8	4.5	28
107	17β-Estradiol and estradiol fatty acyl esters and estrogen-converting enzyme expression in adipose tissue in obese men and women. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 4923-31	5.6	28
106	Associations between sports participation, cardiorespiratory fitness, and adiposity in young adult twins. *Journal of Applied Physiology*, **2011**, 110, 681-6	3.7	28
105	Bile Reflux is a Common Finding in the Gastric Pouch After One Anastomosis Gastric Bypass. *Obesity Surgery*, **2020**, 30, 875-881	3.7	28
104	Effects of acquired obesity on endothelial function in monozygotic twins. *Obesity*, **2006**, 14, 826-37	8	27
103	Epigenome-wide association study of lung function level and its change. *European Respiratory Journal*, **2019**, 54,	13.6	25
102	A genome-wide association study of monozygotic twin-pairs suggests a locus related to variability of serum high-density lipoprotein cholesterol. *Twin Research and Human Genetics*, **2012**, 15, 691-9	2.2	25
101	Upregulation of Early and Downregulation of Terminal Pathway Complement Genes in Subcutaneous Adipose Tissue and Adipocytes in Acquired Obesity. *Frontiers in Immunology*, **2017**, 8, 545	8.4	24
100	Adipose co-expression networks across Finns and Mexicans identify novel triglyceride-associated genes. *BMC Medical Genomics*, **2012**, 5, 61	3.7	24
99	Role of apolipoprotein C-III overproduction in diabetic dyslipidaemia. *Diabetes, Obesity and Metabolism*, **2019**, 21, 1861-1870	6.7	23
98	Is preoperative gastroscopy necessary before sleeve gastrectomy and Roux-en-Y gastric bypass?. *Surgery for Obesity and Related Diseases*, **2018**, 14, 757-762	3	23
97	Gene expression profile of subcutaneous adipose tissue in BMI-discordant monozygotic twin pairs unravels molecular and clinical changes associated with sub-types of obesity. *International Journal of Obesity*, **2017**, 41, 1176-1184	5.5	22

96	Subcutaneous adipose tissue gene expression and DNA methylation respond to both short- and long-term weight loss. *International Journal of Obesity*, **2018**, 42, 412-423	5.5	21
95	Taking small steps towards targets - perspectives for clinical practice in diabetes, cardiometabolic disorders and beyond. *International Journal of Clinical Practice*, **2013**, 67, 322-32	2.9	21
94	Metabolome and fecal microbiota in monozygotic twin pairs discordant for weight: a Big Mac challenge. *FASEB Journal*, **2014**, 28, 4169-79	0.9	21
93	A standard calculation methodology for human doubly labeled water studies. *Cell Reports Medicine*, **2021**, 2, 100203	18	21
92	Globular adiponectin and its downstream target genes are up-regulated locally in human colorectal tumors: ex vivo and in vitro studies. *Metabolism: Clinical and Experimental*, **2014**, 63, 672-81	12.7	20
91	Genetic architecture of circulating lipid levels. *European Journal of Human Genetics*, **2011**, 19, 813-9	5.3	19
90	Association of adiponectin and leptin with relative telomere length in seven independent cohorts including 11,448 participants. *European Journal of Epidemiology*, **2014**, 29, 629-38	12.1	18
89	Impact of a very low-energy diet on the fecal microbiota of obese individuals. *European Journal of Nutrition*, **2014**, 53, 1421-9	5.2	18
88	Genetic influences on physical activity in young adults: a twin study. *Medicine and Science in Sports and Exercise*, **2012**, 44, 1293-301	1.2	18
87	The PREVIEW intervention study: Results from a 3-year randomized 2 x 2 factorial multinational trial investigating the role of protein, glycaemic index and physical activity for prevention of type 2 diabetes. *Diabetes, Obesity and Metabolism*, **2021**, 23, 324-337	6.7	18
86	The effect of alcohol consumption on later obesity in early adulthood--a population-based longitudinal study. *Alcohol and Alcoholism*, **2010**, 45, 173-9	3.5	17
85	Birth size and gestational age in opposite-sex twins as compared to same-sex twins: An individual-based pooled analysis of 21 cohorts. *Scientific Reports*, **2018**, 8, 6300	4.9	16
84	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. *Nature Metabolism*, **2020**, 2, 1113-1125	14.6	16
83	Association between birthweight and later body mass index: an individual-based pooled analysis of 27 twin cohorts participating in the CODATwins project. *International Journal of Epidemiology*, **2017**, 46, 1488-1498	7.8	15
82	Dietary omega-3 polyunsaturated fatty acid intake is related to a protective high-density lipoprotein subspecies profile independent of genetic effects: a monozygotic twin pair study. *Atherosclerosis*, **2011**, 219, 880-6	3.1	15
81	Impact of proprotein convertase subtilisin/kexin type 9 inhibition with evolocumab on the postprandial responses of triglyceride-rich lipoproteins in type II diabetic subjects. *Journal of Clinical Lipidology*, **2020**, 14, 77-87	4.9	15
80	Minor Contribution of Endogenous GLP-1 and GLP-2 to Postprandial Lipemia in Obese Men. *PLoS ONE*, **2016**, 11, e0145890	3.7	15
79	A randomized controlled trial on the effects of combined aerobic-resistance exercise on muscle strength and fatigue, glycemic control and health-related quality of life of type 2 diabetes patients. *Journal of Sports Medicine and Physical Fitness*, **2016**, 56, 572-8	1.4	15

78	Genetic and environmental factors influencing BMI development from adolescence to young adulthood. *Behavior Genetics*, **2012**, 42, 73-85	3.2	14
77	Fructose intervention for 12 weeks does not impair glycemic control or incretin hormone responses during oral glucose or mixed meal tests in obese men. *Nutrition, Metabolism and Cardiovascular Diseases*, **2017**, 27, 534-542	4.5	13
76	Biotin-dependent functions in adiposity: a study of monozygotic twin pairs. *International Journal of Obesity*, **2016**, 40, 788-95	5.5	13
75	Once-weekly cagrilintide for weight management in people with overweight and obesity: a multicentre, randomised, double-blind, placebo-controlled and active-controlled, dose-finding phase 2 trial. *Lancet, The*, **2021**,	40	13
74	FinnTwin16: A Longitudinal Study from Age 16 of a Population-Based Finnish Twin Cohort. *Twin Research and Human Genetics*, **2019**, 22, 530-539	2.2	13
73	Improving the accuracy of self-reports on diet and physical exercise: the co-twin control method. *Twin Research and Human Genetics*, **2009**, 12, 531-40	2.2	12
72	Adipose tissue mitochondrial capacity associates with long-term weight loss success. *International Journal of Obesity*, **2018**, 42, 817-825	5.5	12
71	Genetic and environmental factors affecting birth size variation: a pooled individual-based analysis of secular trends and global geographical differences using 26 twin cohorts. *International Journal of Epidemiology*, **2018**, 47, 1195-1206	7.8	12
70	Persistence or change in leisure-time physical activity habits and waist gain during early adulthood: a twin-study. *Obesity*, **2014**, 22, 2061-70	8	11
69	Circulating anti-Mullerian hormone levels in adult men are under a strong genetic influence. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E161-4	5.6	11
68	Association of serotonin transporter promoter regulatory region polymorphism and cerebral activity to visual presentation of food. *Clinical Physiology and Functional Imaging*, **2008**, 28, 270-6	2.4	11
67	The causal effect of obesity on prediabetes and insulin resistance reveals the important role of adipose tissue in insulin resistance. *PLoS Genetics*, **2020**, 16, e1009018	6	11
66	Metabolism of sex steroids is influenced by acquired adiposity-A study of young adult male monozygotic twin pairs. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 172, 98-105	5.1	10
65	Leisure-time physical activity and nutrition: a twin study. *Public Health Nutrition*, **2011**, 14, 846-52	3.3	10
64	Liver Fat and Insulin Sensitivity Define Metabolite Profiles During a Glucose Tolerance Test in Young Adult Twins. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 220-231	5.6	10
63	Cardiorespiratory Fitness and Adiposity as Determinants of Metabolic Health-Pooled Analysis of Two Twin Cohorts. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 1520-1528	5.6	9
62	Development of a Food-Based Diet Quality Score from a Short FFQ and Associations with Obesity Measures, Eating Styles and Nutrient Intakes in Finnish Twins. *Nutrients*, **2019**, 11,	6.7	9
61	Plasma Proteomics Analysis Reveals Dysregulation of Complement Proteins and Inflammation in Acquired Obesity-A Study on Rare BMI-Discordant Monozygotic Twin Pairs. *Proteomics - Clinical Applications*, **2019**, 13, e1800173	3.1	9

60	Physical activity, cardiorespiratory fitness, and metabolic outcomes in monozygotic twin pairs discordant for body mass index. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 1048-1055	4.6	9
59	Plasma metabolites reveal distinct profiles associating with different metabolic risk factors in monozygotic twin pairs. *International Journal of Obesity*, **2019**, 43, 487-502	5.5	9
58	PREVIEW study-influence of a behavior modification intervention (PREMIT) in over 2300 people with pre-diabetes: intention, self-efficacy and outcome expectancies during the early phase of a lifestyle intervention. *Psychology Research and Behavior Management*, **2018**, 11, 383-394	3.8	9
57	Associations between birth size and later height from infancy through adulthood: An individual based pooled analysis of 28 twin cohorts participating in the CODATwins project. *Early Human Development*, **2018**, 120, 53-60	2.2	8
56	Influence of serotonin transporter gene polymorphism (5-HTTLPR polymorphism) on the relation between brain 5-HT transporter binding and heart rate corrected cardiac repolarization interval. *PLoS ONE*, **2013**, 8, e50303	3.7	8
55	Twin study of heritability of eating bread in Danish and Finnish men and women. *Twin Research and Human Genetics*, **2010**, 13, 163-7	2.2	8
54	Short Sleep Duration and Later Overweight in Infants. *Journal of Pediatrics*, **2019**, 212, 13-19	3.6	7
53	Mechanisms of early glucose regulation disturbance after out-of-hospital cardiopulmonary resuscitation: An explorative prospective study. *PLoS ONE*, **2019**, 14, e0214209	3.7	7
52	Deep subcutaneous adipose tissue lipid unsaturation associates with intramyocellular lipid content. *Metabolism: Clinical and Experimental*, **2016**, 65, 1230-7	12.7	7
51	Does the sex of one's co-twin affect height and BMI in adulthood? A study of dizygotic adult twins from 31 cohorts. *Biology of Sex Differences*, **2017**, 8, 14	9.3	7
50	Energy compensation and adiposity in humans. *Current Biology*, **2021**, 31, 4659-4666.e2	6.3	7
49	Acquired liver fat is a key determinant of serum lipid alterations in healthy monozygotic twins. *Obesity*, **2013**, 21, 1815-22	8	6
48	Effects of liraglutide on the metabolism of triglyceride-rich lipoproteins in type 2 diabetes. *Diabetes, Obesity and Metabolism*, **2021**, 23, 1191-1201	6.7	6
47	Molecular pathways behind acquired obesity: Adipose tissue and skeletal muscle multiomics in monozygotic twin pairs discordant for BMI. *Cell Reports Medicine*, **2021**, 2, 100226	18	6
46	Measuring short-term liver metabolism non-invasively: postprandial and post-exercise ^{1}H and ^{31}P MR spectroscopy. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2015**, 28, 57-66	2.8	5
45	Increased body fat mass and androgen metabolism - A twin study in healthy young women. *Steroids* , **2018**, 140, 24-31	2.8	5
44	Prospective randomized controlled trial comparing the efficacy and safety of Roux-en-Y gastric bypass and one-anastomosis gastric bypass (the RYSA trial): trial protocol and interim analysis. *Trials*, **2019**, 20, 803	2.8	5
43	Cardiac repolarization and striatal dopamine transporter function are interrelated. *Nuclear Medicine Communications*, **2009**, 30, 713-7	1.6	4

42	Eating Behaviors in Healthy Young Adult Twin Pairs Discordant for Body Mass Index. *Twin Research and Human Genetics*, **2019**, 22, 220-228	2.2	3
41	mRNA expression of adipocytokines and glucocorticoid-related genes are associated with downregulation of E-cadherin mRNA in colorectal adenocarcinomas. *International Journal of Colorectal Disease*, **2012**, 27, 1021-7	3	3
40	F13A1 transglutaminase expression in human adipose tissue increases in acquired excess weight and associates with inflammatory status of adipocytes. *International Journal of Obesity*, **2021**, 45, 577-587	5.5	3
39	Physical activity and fat-free mass during growth and in later life. *American Journal of Clinical Nutrition*, **2021**, 114, 1583-1589	7	3
38	Genome-wide association study to identify common variants associated with brachial circumference: a meta-analysis of 14 cohorts. *PLoS ONE*, **2012**, 7, e31369	3.7	2
37	Smoking induces coordinated DNA methylation and gene expression changes in adipose tissue with consequences for metabolic health		2
36	Identification of TBX15 as an adipose master trans regulator of abdominal obesity genes. *Genome Medicine*, **2021**, 13, 123	14.4	2
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