

Norbert Stefan

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.

254
papers

16,608
citations

70
h-index

122
g-index

273
ext. papers

19,597
ext. citations

7.8
avg, IF

7.06
L-index

#	Paper	IF	Citations
254	Identification and characterization of metabolically benign obesity in humans. <i>Archives of Internal Medicine</i> , 2008 , 168, 1609-16		736
253	Identification of serum metabolites associated with risk of type 2 diabetes using a targeted metabolomic approach. <i>Diabetes</i> , 2013 , 62, 639-48	0.9	634
252	Non-invasive assessment and quantification of liver steatosis by ultrasound, computed tomography and magnetic resonance. <i>Journal of Hepatology</i> , 2009 , 51, 433-45	13.4	556
251	High alanine aminotransferase is associated with decreased hepatic insulin sensitivity and predicts the development of type 2 diabetes. <i>Diabetes</i> , 2002 , 51, 1889-95	0.9	512
250	Plasma adiponectin concentration is associated with skeletal muscle insulin receptor tyrosine phosphorylation, and low plasma concentration precedes a decrease in whole-body insulin sensitivity in humans. <i>Diabetes</i> , 2002 , 51, 1884-8	0.9	453
249	Metabolically healthy obesity: epidemiology, mechanisms, and clinical implications. <i>Lancet Diabetes and Endocrinology</i> , 2013 , 1, 152-62	18.1	409
248	Causes and metabolic consequences of Fatty liver. <i>Endocrine Reviews</i> , 2008 , 29, 939-60	27.2	394
247	Alpha2-Heremans-Schmid glycoprotein/fetuin-A is associated with insulin resistance and fat accumulation in the liver in humans. <i>Diabetes Care</i> , 2006 , 29, 853-7	14.6	368
246	The role of hepatokines in metabolism. <i>Nature Reviews Endocrinology</i> , 2013 , 9, 144-52	15.2	326
245	Non-alcoholic fatty liver disease: causes, diagnosis, cardiometabolic consequences, and treatment strategies. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 313-324	18.1	322
244	Obesity and impaired metabolic health in patients with COVID-19. <i>Nature Reviews Endocrinology</i> , 2020 , 16, 341-342	15.2	303
243	Impact of age on the relationships of brown adipose tissue with sex and adiposity in humans. <i>Diabetes</i> , 2010 , 59, 1789-93	0.9	285
242	Plasma fetuin-A levels and the risk of type 2 diabetes. <i>Diabetes</i> , 2008 , 57, 2762-7	0.9	277
241	Dissociation between fatty liver and insulin resistance in humans carrying a variant of the patatin-like phospholipase 3 gene. <i>Diabetes</i> , 2009 , 58, 2616-23	0.9	261
240	Plasma fetuin-a levels and the risk of myocardial infarction and ischemic stroke. <i>Circulation</i> , 2008 , 118, 2555-62	16.7	245
239	Causes, Characteristics, and Consequences of Metabolically Unhealthy Normal Weight in Humans. <i>Cell Metabolism</i> , 2017 , 26, 292-300	24.6	237
238	Plasma adiponectin concentrations in children: relationships with obesity and insulinemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 4652-6	5.6	237

237	Fetuin-A induces cytokine expression and suppresses adiponectin production. <i>PLoS ONE</i> , 2008 , 3, e17653,7	3.7	199
236	High circulating retinol-binding protein 4 is associated with elevated liver fat but not with total, subcutaneous, visceral, or intramyocellular fat in humans. <i>Diabetes Care</i> , 2007 , 30, 1173-8	14.6	182
235	Metabolically healthy obesity and cardiovascular events: A systematic review and meta-analysis. <i>European Journal of Preventive Cardiology</i> , 2016 , 23, 956-66	3.9	181
234	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. <i>Scientific Reports</i> , 2016 , 6, 26745	4.9	174
233	Pancreatic fat is negatively associated with insulin secretion in individuals with impaired fasting glucose and/or impaired glucose tolerance: a nuclear magnetic resonance study. <i>Diabetes/Metabolism Research and Reviews</i> , 2010 , 26, 200-5	7.5	174
232	Polymorphisms in the gene encoding adiponectin receptor 1 are associated with insulin resistance and high liver fat. <i>Diabetologia</i> , 2005 , 48, 2282-91	10.3	162
231	Acute hyperglycemia causes intracellular formation of CML and activation of ras, p42/44 MAPK, and nuclear factor kappaB in PBMCs. <i>Diabetes</i> , 2003 , 52, 621-33	0.9	161
230	Transition from metabolic healthy to unhealthy phenotypes and association with cardiovascular disease risk across BMI categories in 90 257 women (the NursesPHealth Study): 30 year follow-up from a prospective cohort study. <i>Lancet Diabetes and Endocrinology,the</i> , 2018 , 6, 714-724	18.1	153
229	Metabolically healthy obesity: the low-hanging fruit in obesity treatment?. <i>Lancet Diabetes and Endocrinology,the</i> , 2018 , 6, 249-258	18.1	152
228	The impact of insulin resistance on the kidney and vasculature. <i>Nature Reviews Nephrology</i> , 2016 , 12, 721-737	14.9	151
227	Causes, consequences, and treatment of metabolically unhealthy fat distribution. <i>Lancet Diabetes and Endocrinology,the</i> , 2020 , 8, 616-627	18.1	145
226	Muscle-derived angiopoietin-like protein 4 is induced by fatty acids via peroxisome proliferator-activated receptor (PPAR)-delta and is of metabolic relevance in humans. <i>Diabetes</i> , 2009 , 58, 579-89	0.9	145
225	Global pandemics interconnected - obesity, impaired metabolic health and COVID-19. <i>Nature Reviews Endocrinology</i> , 2021 , 17, 135-149	15.2	140
224	The metabolically benign and malignant fatty liver. <i>Diabetes</i> , 2011 , 60, 2011-7	0.9	139
223	Intermuscular adipose tissue (IMAT): association with other adipose tissue compartments and insulin sensitivity. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1340-5	5.6	134
222	Effects of 4-week very-high-fructose/glucose diets on insulin sensitivity, visceral fat and intrahepatic lipids: an exploratory trial. <i>British Journal of Nutrition</i> , 2011 , 106, 79-86	3.6	132
221	Hepatic lipid accumulation in healthy subjects: a comparative study using spectral fat-selective MRI and volume-localized 1H-MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 913-7	4.4	129
220	Polymorphisms within novel risk loci for type 2 diabetes determine beta-cell function. <i>PLoS ONE</i> , 2007 , 2, e832	3.7	127

219	Individual stearoyl-coa desaturase 1 expression modulates endoplasmic reticulum stress and inflammation in human myotubes and is associated with skeletal muscle lipid storage and insulin sensitivity in vivo. <i>Diabetes</i> , 2009 , 58, 1757-65	0.9	122
218	Central insulin administration improves whole-body insulin sensitivity via hypothalamus and parasympathetic outputs in men. <i>Diabetes</i> , 2014 , 63, 4083-8	0.9	117
217	Palmitate-induced interleukin-6 expression in human coronary artery endothelial cells. <i>Diabetes</i> , 2004 , 53, 3209-16	0.9	116
216	Phenotypes of prediabetes and stratification of cardiometabolic risk. <i>Lancet Diabetes and Endocrinology</i> , 2016 , 4, 789-798	18.1	115
215	Circulating fetuin-A and free fatty acids interact to predict insulin resistance in humans. <i>Nature Medicine</i> , 2013 , 19, 394-5	50.5	113
214	Circulating palmitoleate strongly and independently predicts insulin sensitivity in humans. <i>Diabetes Care</i> , 2010 , 33, 405-7	14.6	111
213	The impact of liver fat vs visceral fat in determining categories of prediabetes. <i>Diabetologia</i> , 2010 , 53, 882-9	10.3	109
212	Relationships of circulating sex hormone-binding globulin with metabolic traits in humans. <i>Diabetes</i> , 2010 , 59, 3167-73	0.9	107
211	Genetic variations in PPARD and PPARGC1A determine mitochondrial function and change in aerobic physical fitness and insulin sensitivity during lifestyle intervention. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1827-33	5.6	107
210	High visceral fat mass and high liver fat are associated with resistance to lifestyle intervention. <i>Obesity</i> , 2007 , 15, 531-8	8	103
209	Effects of a lifestyle intervention in metabolically benign and malign obesity. <i>Diabetologia</i> , 2011 , 54, 864-8	10.3	101
208	Hepatic lipid composition and stearoyl-coenzyme A desaturase 1 mRNA expression can be estimated from plasma VLDL fatty acid ratios. <i>Clinical Chemistry</i> , 2009 , 55, 2113-20	5.5	101
207	Expression of adiponectin receptor mRNA in human skeletal muscle cells is related to in vivo parameters of glucose and lipid metabolism. <i>Diabetes</i> , 2004 , 53, 2195-201	0.9	101
206	Polymorphisms within the novel type 2 diabetes risk locus MTNR1B determine beta-cell function. <i>PLoS ONE</i> , 2008 , 3, e3962	3.7	93
205	Increased fat accumulation in liver may link insulin resistance with subcutaneous abdominal adipocyte enlargement, visceral adiposity, and hypoadiponectinemia in obese individuals. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 295-302	7	92
204	Impact of variation in the FTO gene on whole body fat distribution, ectopic fat, and weight loss. <i>Obesity</i> , 2008 , 16, 1969-72	8	91
203	Follow-up whole-body assessment of adipose tissue compartments during a lifestyle intervention in a large cohort at increased risk for type 2 diabetes. <i>Radiology</i> , 2010 , 257, 353-63	20.5	90
202	Association of type 2 diabetes candidate polymorphisms in KCNQ1 with incretin and insulin secretion. <i>Diabetes</i> , 2009 , 58, 1715-20	0.9	89

201	Plasma adiponectin and endogenous glucose production in humans. <i>Diabetes Care</i> , 2003 , 26, 3315-9	14.6	89
200	(1)H MR spectroscopy of skeletal muscle, liver and bone marrow. <i>European Journal of Radiology</i> , 2008 , 67, 275-284	4.7	87
199	Quantification of pancreatic lipomatosis and liver steatosis by MRI: comparison of in/opposed-phase and spectral-spatial excitation techniques. <i>Investigative Radiology</i> , 2008 , 43, 330-7	10.1	87
198	Effect of SGLT2 inhibitors on body composition, fluid status and renin-angiotensin-aldosterone system in type 2 diabetes: a prospective study using bioimpedance spectroscopy. <i>Cardiovascular Diabetology</i> , 2019 , 18, 46	8.7	86
197	Lifestyle intervention in individuals with normal versus impaired glucose tolerance. <i>European Journal of Clinical Investigation</i> , 2007 , 37, 535-43	4.6	86
196	Empagliflozin Effectively Lowers Liver Fat Content in Well-Controlled Type 2 Diabetes: A Randomized, Double-Blind, Phase 4, Placebo-Controlled Trial. <i>Diabetes Care</i> , 2020 , 43, 298-305	14.6	86
195	Glucose allostasis. <i>Diabetes</i> , 2003 , 52, 903-9	0.9	84
194	Inhibition of 11βHSD1 with RO5093151 for non-alcoholic fatty liver disease: a multicentre, randomised, double-blind, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 406-16	18.1	82
193	Low hepatic stearoyl-CoA desaturase 1 activity is associated with fatty liver and insulin resistance in obese humans. <i>Diabetologia</i> , 2008 , 51, 648-56	10.3	78
192	Circulating lysophosphatidylcholines are markers of a metabolically benign nonalcoholic fatty liver. <i>Diabetes Care</i> , 2013 , 36, 2331-8	14.6	77
191	The relationships of plasma adiponectin with a favorable lipid profile, decreased inflammation, and less ectopic fat accumulation depend on adiposity. <i>Clinical Chemistry</i> , 2006 , 52, 1934-42	5.5	77
190	Leptin down-regulates insulin action through phosphorylation of serine-318 in insulin receptor substrate 1. <i>FASEB Journal</i> , 2006 , 20, 1206-8	0.9	77
189	T2* relaxometry in liver, pancreas, and spleen in a healthy cohort of one hundred twenty-nine subjects-correlation with age, gender, and serum ferritin. <i>Investigative Radiology</i> , 2008 , 43, 854-60	10.1	76
188	Association of AHSG gene polymorphisms with fetuin-A plasma levels and cardiovascular diseases in the EPIC-Potsdam study. <i>Circulation: Cardiovascular Genetics</i> , 2009 , 2, 607-13		71
187	Single-nucleotide polymorphism rs7754840 of CDKAL1 is associated with impaired insulin secretion in nondiabetic offspring of type 2 diabetic subjects and in a large sample of men with normal glucose tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1924-30	5.6	71
186	Common genetic variation in the human FNDC5 locus, encoding the novel muscle-derived Browning factor iris, determines insulin sensitivity. <i>PLoS ONE</i> , 2013 , 8, e61903	3.7	71
185	Elevated hepatic DPP4 activity promotes insulin resistance and non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2017 , 6, 1254-1263	8.8	70
184	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. <i>Nature Medicine</i> , 2021 , 27, 49-57	50.5	68

183	Divergent associations of height with cardiometabolic disease and cancer: epidemiology, pathophysiology, and global implications. <i>Lancet Diabetes and Endocrinology</i> , 2016 , 4, 457-67	18.1	67
182	Hepatic glucokinase expression is associated with lipogenesis and fatty liver in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E1126-30	5.6	67
181	Relationships among age, proinsulin conversion, and beta-cell function in nondiabetic humans. <i>Diabetes</i> , 2002 , 51 Suppl 1, S234-9	0.9	66
180	Body adiposity index, body fat content and incidence of type 2 diabetes. <i>Diabetologia</i> , 2012 , 55, 1660-7	10.3	65
179	The DGAT2 gene is a candidate for the dissociation between fatty liver and insulin resistance in humans. <i>Clinical Science</i> , 2009 , 116, 531-7	6.5	62
178	Variations in PPARG determine the change in body composition during lifestyle intervention: a whole-body magnetic resonance study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1497-500	5.6	61
177	Hypothalamic and Striatal Insulin Action Suppresses Endogenous Glucose Production and May Stimulate Glucose Uptake During Hyperinsulinemia in Lean but Not in Overweight Men. <i>Diabetes</i> , 2017 , 66, 1797-1806	0.9	60
176	Characterization of metabolically unhealthy normal-weight individuals: Risk factors and their associations with type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 862-71	12.7	58
175	Metabolic crosstalk between fatty pancreas and fatty liver: effects on local inflammation and insulin secretion. <i>Diabetologia</i> , 2017 , 60, 2240-2251	10.3	58
174	Gene variants of TCF7L2 influence weight loss and body composition during lifestyle intervention in a population at risk for type 2 diabetes. <i>Diabetes</i> , 2010 , 59, 747-50	0.9	58
173	Intrahepatic lipids are predicted by visceral adipose tissue mass in healthy subjects. <i>Diabetes Care</i> , 2004 , 27, 2726-9	14.6	58
172	Low plasma adiponectin concentrations do not predict weight gain in humans. <i>Diabetes</i> , 2002 , 51, 2964-70	0.9	56
171	Fibroblast growth factor 21 is elevated in metabolically unhealthy obesity and affects lipid deposition, adipogenesis, and adipokine secretion of human abdominal subcutaneous adipocytes. <i>Molecular Metabolism</i> , 2015 , 4, 519-27	8.8	53
170	High hepatic SCD1 activity is associated with low liver fat content in healthy subjects under a lipogenic diet. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E2288-92	5.6	53
169	Impact of the adipokine adiponectin and the hepatokine fetuin-A on the development of type 2 diabetes: prospective cohort- and cross-sectional phenotyping studies. <i>PLoS ONE</i> , 2014 , 9, e92238	3.7	53
168	Evaluation of fasting state-/oral glucose tolerance test-derived measures of insulin release for the detection of genetically impaired β cell function. <i>PLoS ONE</i> , 2010 , 5, e14194	3.7	52
167	High plasma fetuin-A is associated with increased carotid intima-media thickness in a middle-aged population. <i>Atherosclerosis</i> , 2009 , 207, 341-2	3.1	52
166	Fatty liver is independently associated with alterations in circulating HDL2 and HDL3 subfractions. <i>Diabetes Care</i> , 2008 , 31, 366-8	14.6	49

165	Effects of resveratrol supplementation on liver fat content in overweight and insulin-resistant subjects: A randomized, double-blind, placebo-controlled clinical trial. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 1793-1797	6.7	48
164	High cerebral insulin sensitivity is associated with loss of body fat during lifestyle intervention. <i>Diabetologia</i> , 2012 , 55, 175-82	10.3	48
163	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. <i>Diabetes</i> , 2016 , 65, 3200-11	0.9	47
162	Quantitative analysis of adipose tissue in single transverse slices for estimation of volumes of relevant fat tissue compartments: a study in a large cohort of subjects at risk for type 2 diabetes by MRI with comparison to anthropometric data. <i>Investigative Radiology</i> , 2010 , 45, 788-94	10.1	47
161	A candidate type 2 diabetes polymorphism near the HHEX locus affects acute glucose-stimulated insulin release in European populations: results from the EUGENE2 study. <i>Diabetes</i> , 2008 , 57, 514-7	0.9	47
160	RARRES2, encoding the novel adipokine chemerin, is a genetic determinant of disproportionate regional body fat distribution: a comparative magnetic resonance imaging study. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 519-24	12.7	46
159	Genome-Wide and Abdominal MRI Data Provide Evidence That a Genetically Determined Favorable Adiposity Phenotype Is Characterized by Lower Ectopic Liver Fat and Lower Risk of Type 2 Diabetes, Heart Disease, and Hypertension. <i>Diabetes</i> , 2019 , 68, 207-219	0.9	46
158	Sex hormone-binding globulin and risk of type 2 diabetes. <i>New England Journal of Medicine</i> , 2009 , 361, 2675-6; author reply 2677-8	59.2	45
157	Family history of diabetes is associated with higher risk for prediabetes: a multicentre analysis from the German Center for Diabetes Research. <i>Diabetologia</i> , 2013 , 56, 2176-80	10.3	43
156	Association of obesity risk SNPs in PCSK1 with insulin sensitivity and proinsulin conversion. <i>BMC Medical Genetics</i> , 2010 , 11, 86	2.1	43
155	Autoimmune thrombocytopenia associated with <i>Borrelia burgdorferi</i> . <i>Clinical Infectious Diseases</i> , 1999 , 28, 927	11.6	43
154	Variant near ADAMTS9 known to associate with type 2 diabetes is related to insulin resistance in offspring of type 2 diabetes patients--EUGENE2 study. <i>PLoS ONE</i> , 2009 , 4, e7236	3.7	43
153	Correlation of Brown Adipose Tissue with Other Body Fat Compartments and Patient Characteristics: A Retrospective Analysis in a Large Patient Cohort Using PET/CT. <i>Academic Radiology</i> , 2018 , 25, 102-110	4.3	41
152	Metabolic signatures of cultured human adipocytes from metabolically healthy versus unhealthy obese individuals. <i>PLoS ONE</i> , 2014 , 9, e93148	3.7	40
151	Fetuin-A influences vascular cell growth and production of proinflammatory and angiogenic proteins by human perivascular fat cells. <i>Diabetologia</i> , 2014 , 57, 1057-66	10.3	38
150	Glycemia determines the effect of type 2 diabetes risk genes on insulin secretion. <i>Diabetes</i> , 2010 , 59, 3247-52	0.9	38
149	A new variant in the human Kv1.3 gene is associated with low insulin sensitivity and impaired glucose tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 654-8	5.6	38
148	Metabolic effects of the Gly1057Asp polymorphism in IRS-2 and interactions with obesity. <i>Diabetes</i> , 2003 , 52, 1544-50	0.9	38

147	Association between the Fatty Liver Index and Risk of Type 2 Diabetes in the EPIC-Potsdam Study. <i>PLoS ONE</i> , 2015 , 10, e0124749	3.7	38
146	The insulin effect on cerebrocortical theta activity is associated with serum concentrations of saturated nonesterified Fatty acids. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 4600-7	5.6	37
145	TGF- β contributes to impaired exercise response by suppression of mitochondrial key regulators in skeletal muscle. <i>Diabetes</i> , 2016 , 65, 2849-61	0.9	36
144	A high-risk phenotype associates with reduced improvement in glycaemia during a lifestyle intervention in prediabetes. <i>Diabetologia</i> , 2015 , 58, 2877-84	10.3	35
143	Novel meta-analysis-derived type 2 diabetes risk loci do not determine prediabetic phenotypes. <i>PLoS ONE</i> , 2008 , 3, e3019	3.7	35
142	PNPLA3 variant I148M is associated with altered hepatic lipid composition in humans. <i>Diabetologia</i> , 2014 , 57, 2103-7	10.3	34
141	The association between plasma adiponectin and insulin sensitivity in humans depends on obesity. <i>Obesity</i> , 2005 , 13, 1683-91		34
140	Genetic variation within the TRPM5 locus associates with prediabetic phenotypes in subjects at increased risk for type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2011 , 60, 1325-33	12.7	33
139	Exaggerated insulin secretion in Pima Indians and African-Americans but higher insulin resistance in Pima Indians compared to African-Americans and Caucasians. <i>Diabetic Medicine</i> , 2004 , 21, 1090-5	3.5	33
138	Insulin sensitivity and liver fat: role of iron load. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E958-61	5.6	32
137	Glucose-raising genetic variants in MADD and ADCY5 impair conversion of proinsulin to insulin. <i>PLoS ONE</i> , 2011 , 6, e23639	3.7	32
136	The hepatokines fetuin-A and fetuin-B are upregulated in the state of hepatic steatosis and may differently impact on glucose homeostasis in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E266-E273	6	32
135	Solutions for low and high accuracy mass spectrometric data matching: a data-driven annotation strategy in nontargeted metabolomics. <i>Analytical Chemistry</i> , 2015 , 87, 8917-24	7.8	31
134	Elevated plasma nonesterified fatty acids are associated with deterioration of acute insulin response in IGT but not NGT. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 284, E1156-61	6	31
133	Relationships of body composition and liver fat content with insulin resistance in obesity-matched adolescents and adults. <i>Obesity</i> , 2014 , 22, 1325-31	8	30
132	Liver fat and insulin resistance are independently associated with the -514C>T polymorphism of the hepatic lipase gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 4238-43	5.6	30
131	Interaction effect between common polymorphisms in PPARgamma2 (Pro12Ala) and insulin receptor substrate 1 (Gly972Arg) on insulin sensitivity. <i>Journal of Molecular Medicine</i> , 2002 , 80, 33-8	5.5	30
130	Environmental and genetic determinants of fatty liver in humans. <i>Digestive Diseases</i> , 2010 , 28, 169-78	3.2	29

129	Association of common genetic variation in the FOXO1 gene with beta-cell dysfunction, impaired glucose tolerance, and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 1353-60	5.6	29
128	Novel obesity risk loci do not determine distribution of body fat depots: a whole-body MRI/MRS study. <i>Obesity</i> , 2010 , 18, 1212-7	8	28
127	Visceral obesity modulates the impact of apolipoprotein C3 gene variants on liver fat content. <i>International Journal of Obesity</i> , 2012 , 36, 774-82	5.5	28
126	Parasympathetic blockade attenuates augmented pancreatic polypeptide but not insulin secretion in Pima Indians. <i>Diabetes</i> , 2004 , 53, 663-71	0.9	28
125	Obesity and renal disease: not all fat is created equal and not all obesity is harmful to the kidneys. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 726-30	4.3	27
124	Age-dependent association of serum prolactin with glycaemia and insulin sensitivity in humans. <i>Acta Diabetologica</i> , 2014 , 51, 71-8	3.9	27
123	Intra- and interindividual variability of fatty acid unsaturation in six different human adipose tissue compartments assessed by H-MRS in vivo at 3T. <i>NMR in Biomedicine</i> , 2017 , 30, e3744	4.4	26
122	Fraction of unsaturated fatty acids in visceral adipose tissue (VAT) is lower in subjects with high total VAT volume - a combined 1 H MRS and volumetric MRI study in male subjects. <i>NMR in Biomedicine</i> , 2013 , 26, 232-6	4.4	26
121	Relationships between hepatic stearyl-CoA desaturase-1 activity and mRNA expression with liver fat content in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E321-6	6	26
120	Increased insulin clearance in peroxisome proliferator-activated receptor gamma2 Pro12Ala. <i>Metabolism: Clinical and Experimental</i> , 2003 , 52, 778-83	12.7	26
119	Associations of short stature and components of height with incidence of type 2 diabetes: mediating effects of cardiometabolic risk factors. <i>Diabetologia</i> , 2019 , 62, 2211-2221	10.3	25
118	Reduced adiponectin serum levels in smokers. <i>Atherosclerosis</i> , 2005 , 179, 421-2	3.1	25
117	Lipodystrophic Nonalcoholic Fatty Liver Disease Induced by Immune Checkpoint Blockade. <i>Annals of Internal Medicine</i> , 2020 , 172, 836-837	8	25
116	Association of common genetic variants in the MAP4K4 locus with prediabetic traits in humans. <i>PLoS ONE</i> , 2012 , 7, e47647	3.7	24
115	Common genetic variation in the SERPINF1 locus determines overall adiposity, obesity-related insulin resistance, and circulating leptin levels. <i>PLoS ONE</i> , 2012 , 7, e34035	3.7	23
114	Serine/threonine protein kinase 25 antisense oligonucleotide treatment reverses glucose intolerance, insulin resistance, and nonalcoholic fatty liver disease in mice. <i>Hepatology Communications</i> , 2018 , 2, 69-83	6	23
113	The cancer-associated FGFR4-G388R polymorphism enhances pancreatic insulin secretion and modifies the risk of diabetes. <i>Cell Metabolism</i> , 2013 , 17, 929-940	24.6	22
112	The impact of genetic variation in the G6PC2 gene on insulin secretion depends on glycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, E479-84	5.6	22

111	The -8503 G/A polymorphism of the adiponectin receptor 1 gene is associated with insulin sensitivity dependent on adiposity. <i>Diabetes Care</i> , 2006 , 29, 464	14.6	22
110	C825T polymorphism of the G protein beta3 subunit is associated with obesity but not with insulin sensitivity. <i>Obesity</i> , 2004 , 12, 679-83		22
109	Plasma adiponectin levels are not associated with fat oxidation in humans. <i>Obesity</i> , 2002 , 10, 1016-20		22
108	Effect of genotype on success of lifestyle intervention in subjects at risk for type 2 diabetes. <i>Journal of Molecular Medicine</i> , 2007 , 85, 107-17	5.5	21
107	The D299G/T399I Toll-like receptor 4 variant associates with body and liver fat: results from the TULIP and METSIM Studies. <i>PLoS ONE</i> , 2010 , 5, e13980	3.7	21
106	Genetic variation in NR1H4 encoding the bile acid receptor FXR determines fasting glucose and free fatty acid levels in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1224-9	5.6	20
105	Variants in the CD36 gene locus determine whole-body adiposity, but have no independent effect on insulin sensitivity. <i>Obesity</i> , 2011 , 19, 1004-9	8	20
104	Genetic variation within the NR1H2 gene encoding liver X receptor α associates with insulin secretion in subjects at increased risk for type 2 diabetes. <i>Journal of Molecular Medicine</i> , 2011 , 89, 75-81	5.5	20
103	Common polymorphisms within the NR4A3 locus, encoding the orphan nuclear receptor Nor-1, are associated with enhanced beta-cell function in non-diabetic subjects. <i>BMC Medical Genetics</i> , 2009 , 10, 77	2.1	20
102	Cardiorespiratory fitness determines the reduction in blood pressure and insulin resistance during lifestyle intervention. <i>Journal of Hypertension</i> , 2011 , 29, 1220-7	1.9	20
101	Genetic variation within the ANGPTL4 gene is not associated with metabolic traits in white subjects at an increased risk for type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 637-43	12.7	20
100	Endogenous glucose production, insulin sensitivity, and insulin secretion in normal glucose-tolerant Pima Indians with low birth weight. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 904-11	12.7	20
99	Visceral Adiposity Index as an Independent Marker of Subclinical Atherosclerosis in Individuals Prone to Diabetes Mellitus. <i>Journal of Atherosclerosis and Thrombosis</i> , 2019 , 26, 821-834	4	19
98	Cholesterol synthesis is associated with hepatic lipid content and dependent on fructose/glucose intake in healthy humans. <i>Experimental Diabetes Research</i> , 2012 , 2012, 361863		19
97	Upstream transcription factor 1 gene polymorphisms are associated with high antilipolytic insulin sensitivity and show gene-gene interactions. <i>Journal of Molecular Medicine</i> , 2007 , 85, 55-61	5.5	19
96	An extended fatty liver index to predict non-alcoholic fatty liver disease. <i>Diabetes and Metabolism</i> , 2017 , 43, 229-239	5.4	18
95	A novel insulin sensitivity index particularly suitable to measure insulin sensitivity during gestation. <i>Acta Diabetologica</i> , 2016 , 53, 1037-1044	3.9	18
94	Non-alcoholic fatty liver disease and impaired proinsulin conversion as newly identified predictors of the long-term non-response to a lifestyle intervention for diabetes prevention: results from the TULIP study. <i>Diabetologia</i> , 2017 , 60, 2341-2351	10.3	18

93	Associations of Erythrocyte Fatty Acids in the De Novo Lipogenesis Pathway with Proxies of Liver Fat Accumulation in the EPIC-Potsdam Study. <i>PLoS ONE</i> , 2015 , 10, e0127368	3.7	18
92	The body adiposity index and the sexual dimorphism in body fat. <i>Obesity</i> , 2011 , 19, 1729	8	18
91	The inhibitory effect of recent type 2 diabetes risk loci on insulin secretion is modulated by insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 1775-80	5.6	18
90	Glucose-Raising Polymorphisms in the Human Clock Gene Cryptochrome 2 (CRY2) Affect Hepatic Lipid Content. <i>PLoS ONE</i> , 2016 , 11, e0145563	3.7	18
89	A global view of the interplay between non-alcoholic fatty liver disease and diabetes.. <i>Lancet Diabetes and Endocrinology</i> , 2022 ,	18.1	18
88	Nonsuppressed Glucagon After Glucose Challenge as a Potential Predictor for Glucose Tolerance. <i>Diabetes</i> , 2017 , 66, 1373-1379	0.9	17
87	Untangling the interplay of genetic and metabolic influences on beta-cell function: Examples of potential therapeutic implications involving TCF7L2 and FFAR1. <i>Molecular Metabolism</i> , 2014 , 3, 261-7	8.8	17
86	Nor-1, a novel incretin-responsive regulator of insulin genes and insulin secretion. <i>Molecular Metabolism</i> , 2013 , 2, 243-55	8.8	17
85	Allele summation of diabetes risk genes predicts impaired glucose tolerance in female and obese individuals. <i>PLoS ONE</i> , 2012 , 7, e38224	3.7	17
84	Dissociation between fatty liver and insulin resistance: the role of adipose triacylglycerol lipase. <i>Diabetologia</i> , 2011 , 54, 7-9	10.3	16
83	Adiponectin oligomers and ectopic fat in liver and skeletal muscle in humans. <i>Obesity</i> , 2009 , 17, 390-2	8	16
82	Impact of different fat depots on insulin sensitivity: predominant role of liver fat. <i>Journal of Diabetes Science and Technology</i> , 2007 , 1, 753-9	4.1	16
81	The importance of brown adipose tissue. <i>New England Journal of Medicine</i> , 2009 , 361, 416-7; author reply 418-21	59.2	16
80	An Empirically Derived Definition of Metabolically Healthy Obesity Based on Risk of Cardiovascular and Total Mortality. <i>JAMA Network Open</i> , 2021 , 4, e218505	10.4	15
79	Variation in the Phosphoinositide 3-Kinase Gamma Gene Affects Plasma HDL-Cholesterol without Modification of Metabolic or Inflammatory Markers. <i>PLoS ONE</i> , 2015 , 10, e0144494	3.7	14
78	Interscapular fat is strongly associated with insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 4736-42	5.6	14
77	New imaging techniques of fat, muscle and liver within the context of determining insulin sensitivity. <i>Hormone Research in Paediatrics</i> , 2005 , 64 Suppl 3, 38-44	3.3	14
76	Circulating Fetuin-A and Risk of Type 2 Diabetes: A Mendelian Randomization Analysis. <i>Diabetes</i> , 2018 , 67, 1200-1205	0.9	13

75	Preliminary report: genetic variation within the GPBAR1 gene is not associated with metabolic traits in white subjects at an increased risk for type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 1809-11	12.7	13
74	Variance of the SGK1 gene is associated with insulin secretion in different European populations: results from the TUEF, EUGENE2, and METSIM studies. <i>PLoS ONE</i> , 2008 , 3, e3506	3.7	13
73	Tipping the inflammatory balance: inflammasome activation distinguishes metabolically unhealthy from healthy obesity. <i>Diabetologia</i> , 2013 , 56, 2343-6	10.3	12
72	Genetic Variation in the 11 β hydroxysteroid-dehydrogenase 1 Gene Determines NAFLD and Visceral Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 4743-4751	5.6	12
71	Granulocyte colony-stimulating factor (G-CSF): A saturated fatty acid-induced myokine with insulin-desensitizing properties in humans. <i>Molecular Metabolism</i> , 2016 , 5, 305-316	8.8	11
70	Circulating retinol-binding protein-4, insulin sensitivity, insulin secretion, and insulin disposition index in obese and nonobese subjects: response to Broch et al. <i>Diabetes Care</i> , 2007 , 30, e91; author reply e92	14.6	11
69	Peroxisome proliferator-activated receptor gamma (PPARG) modulates free fatty acid receptor 1 (FFAR1) dependent insulin secretion in humans. <i>Molecular Metabolism</i> , 2014 , 3, 676-80	8.8	10
68	Psychological effects of prevention: do participants of a type 2 diabetes prevention program experience increased mental distress?. <i>Diabetes/Metabolism Research and Reviews</i> , 2009 , 25, 83-8	7.5	10
67	Metabolic disorders, COVID-19 and vaccine-breakthrough infections. <i>Nature Reviews Endocrinology</i> , 2021 ,	15.2	10
66	DPP4 gene variation affects GLP-1 secretion, insulin secretion, and glucose tolerance in humans with high body adiposity. <i>PLoS ONE</i> , 2017 , 12, e0181880	3.7	9
65	Heterogeneity of the Stearoyl-CoA desaturase-1 (SCD1) gene and metabolic risk factors in the EPIC-Potsdam study. <i>PLoS ONE</i> , 2012 , 7, e48338	3.7	9
64	Genetic determination of body fat distribution and the attributive influence on metabolism. <i>Obesity</i> , 2017 , 25, 1277-1283	8	8
63	Mechanisms explaining the relationship between metabolically healthy obesity and cardiovascular risk. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 2748-9	15.1	8
62	Global trends in body-mass index. <i>Lancet, The</i> , 2011 , 377, 1917; author reply 1917-8	4.0	8
61	Liver-targeting drugs and their effect on blood glucose and hepatic lipids. <i>Diabetologia</i> , 2021 , 64, 1461-1479	14.9	8
60	Potential effects of reduced red meat compared with increased fiber intake on glucose metabolism and liver fat content: a randomized and controlled dietary intervention study. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 288-296	7	7
59	Dietary Niacin Intake Predicts the Decrease of Liver Fat Content During a Lifestyle Intervention. <i>Scientific Reports</i> , 2019 , 9, 1303	4.9	7
58	Common variation in the sodium/glucose cotransporter 2 gene SLC5A2 does neither affect fasting nor glucose-suppressed plasma glucagon concentrations. <i>PLoS ONE</i> , 2017 , 12, e0177148	3.7	7

57	Periaortic Adipose Tissue Compared With Peribrachial Adipose Tissue Mass as Markers and Possible Modulators of Cardiometabolic Risk. <i>Angiology</i> , 2018 , 69, 854-860	2.1	7
56	The genetic influence on body fat distribution. <i>Drug Discovery Today Disease Mechanisms</i> , 2013 , 10, e5-e13		7
55	Identification and Characterization of Metabolically Benign Obesity in Humans. <i>Obstetrical and Gynecological Survey</i> , 2009 , 64, 30-31	2.4	7
54	The CCR2 promoter polymorphism T-960A, but not the serum MCP-1 level, is associated with endothelial function in prediabetic individuals. <i>Atherosclerosis</i> , 2008 , 198, 338-46	3.1	7
53	Metabolomic Characteristics of Fatty Pancreas. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020 , 128, 804-810	2.3	7
52	Sex-Specific Associations of Testosterone With Metabolic Traits. <i>Frontiers in Endocrinology</i> , 2019 , 10, 90	5.7	6
51	No association between variation in the NR4A1 gene locus and metabolic traits in white subjects at increased risk for type 2 diabetes. <i>BMC Medical Genetics</i> , 2010 , 11, 84	2.1	6
50	Cardiovascular disease in patients with non-alcoholic fatty liver disease. <i>Annals of Gastroenterology</i> , 2012 , 25, 276-277	2.2	6
49	In vitro responsiveness of human muscle cell peroxisome proliferator-activated receptor α reflects donors' insulin sensitivity in vivo. <i>European Journal of Clinical Investigation</i> , 2011 , 41, 1323-9	4.6	5
48	Letter by Stefan et al regarding article, "Impact of body mass index and the metabolic syndrome on the risk of cardiovascular disease and death in middle-aged men". <i>Circulation</i> , 2010 , 122, e456; author reply e457	16.7	5
47	High baseline vitamin C levels do not prevent a positive outcome of a lifestyle intervention. <i>Diabetes Care</i> , 2009 , 32, e112	14.6	5
46	Regulation of synovial adipocytokines. <i>JAMA - Journal of the American Medical Association</i> , 2004 , 291, 694-5; author reply 695	27.4	5
45	A novel functional polymorphism (-336A/G) in the promoter of the partitioning-defective protein-6 α gene is associated with increased glucose tolerance and lower concentrations of serum non-esterified fatty acids. <i>Diabetologia</i> , 2005 , 48, 669-74	10.3	5
44	AMPK Subunits Harbor Largely Nonoverlapping Genetic Determinants for Body Fat Mass, Glucose Metabolism, and Cholesterol Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	5
43	Hemostatic alterations linked to body fat distribution, fatty liver, and insulin resistance. <i>Molecular Metabolism</i> , 2021 , 53, 101262	8.8	5
42	A Polygenic Risk Score of Lipolysis-Increasing Alleles Determines Visceral Fat Mass and Proinsulin Conversion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 1090-1098	5.6	5
41	Lifestyle Intervention Improves Prothrombotic Coagulation Profile in Individuals at High Risk for Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e3198-e3207	5.6	5
40	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). <i>Diabetes</i> , 2021 , 70, 2785-2795	0.9	5

39	The Gly385(388)Arg Polymorphism of the FGFR4 Receptor Regulates Hepatic Lipogenesis Under Healthy Diet. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 2041-2053	5.6	4
38	Role of ectopic fat in the pathogenesis of insulin resistance. <i>Clinical Lipidology</i> , 2009 , 4, 457-464		4
37	Adiponectin in youth: response to Bacha et al. <i>Diabetes Care</i> , 2004 , 27, 1519-20; author reply 1520-1	14.6	4
36	Metabolically Healthy and Unhealthy Normal Weight and Obesity. <i>Endocrinology and Metabolism</i> , 2020 , 35, 487-493	3.5	4
35	FTO Genotype Interacts with Improvement in Aerobic Fitness on Body Weight Loss During Lifestyle Intervention. <i>Obesity Facts</i> , 2016 , 9, 174-81	5.1	4
34	Impact of diverse chemotherapeutic agents and external factors on activation of brown adipose tissue in a large patient collective. <i>Scientific Reports</i> , 2019 , 9, 1901	4.9	4
33	Genetic variation in TCF7L2 rs7903146 and history of GDM negatively and independently impact on diabetes-associated metabolic traits. <i>Diabetes Research and Clinical Practice</i> , 2018 , 146, 251-257	7.4	4
32	Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans With Prediabetes: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial. <i>Diabetes Care</i> , 2021 ,	14.6	3
31	Wrapper- and Ensemble-Based Feature Subset Selection Methods for Biomarker Discovery in Targeted Metabolomics. <i>Lecture Notes in Computer Science</i> , 2011 , 121-132	0.9	3
30	Reduced insulin clearance is linked to subclinical atherosclerosis in individuals at risk for type 2 diabetes mellitus. <i>Scientific Reports</i> , 2020 , 10, 22453	4.9	3
29	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. <i>Nutrients</i> , 2020 , 12,	6.7	3
28	The hepatokine fetuin-A disrupts functional maturation of pancreatic beta cells. <i>Diabetologia</i> , 2021 , 64, 1358-1374	10.3	3
27	Diabetes and Fatty Liver. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019 , 127, S93-S96	2.3	3
26	Measures of adiposity and fat distribution and risk of diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 309, 339-40	27.4	2
25	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. <i>Nature Communications</i> , 2021 , 12, 6486	17.4	2
24	Low-Density Lipoprotein Cholesterol Is Associated With Insulin Secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 1576-1584	5.6	2
23	Elevated Circulating Glutamate Is Associated With Subclinical Atherosclerosis Independently of Established Risk Markers: A Cross-Sectional Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e982-e989	5.6	2
22	Genetic Predisposition to Abdominal Adiposity and Cardiometabolic Risk. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 2334	27.4	1

21	Comment on Hedderson et al. Prepregnancy SHBG concentrations and risk for subsequently developing gestational diabetes mellitus. <i>Diabetes Care</i> 2014;37:1296-1303. <i>Diabetes Care</i> , 2014 , 37, e278-9	14.6	1
20	Magnetic resonance techniques for mapping fat deposits and directing therapy. <i>Clinical Lipidology</i> , 2011 , 6, 93-107		1
19	Fetuin-A and risk of diabetes-related vascular complications: a prospective study.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 6	8.7	1
18	Diabetes und Fettleber. <i>Diabetologie Und Stoffwechsel</i> , 2020 , 15, S156-S159	0.7	1
17	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes		1
16	Diabetes und Fettleber. <i>Diabetologe</i> , 2020 , 16, 36-39	0.2	1
15	Determinants of hepatic insulin clearance - Results from a Mendelian Randomization study. <i>Metabolism: Clinical and Experimental</i> , 2021 , 119, 154776	12.7	1
14	Risk-stratified lifestyle intervention to prevent type 2 diabetes		1
13	Diabetes und Fettleber. <i>Diabetologie Und Stoffwechsel</i> , 2018 , 13, S205-S208	0.7	1
12	Single Nucleotide Polymorphisms in the G-Protein Coupled Receptor Kinase 5 (GRK5) Gene are associated with Plasma LDL-Cholesterol Levels in Humans. <i>Scientific Reports</i> , 2018 , 8, 7745	4.9	1
11	Detection and Characterization of Phosphorylation, Glycosylation, and Fatty Acid Bound to Fetuin A in Human Blood. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
10	Reproducibility and discrimination of different indices of insulin sensitivity and insulin secretion. <i>PLoS ONE</i> , 2021 , 16, e0258476	3.7	0
9	Determinants of activity of brown adipose tissue in lymphoma patients. <i>Scientific Reports</i> , 2020 , 10, 218029	4.9	0
8	Adipositas und Diabetes mellitus. <i>Diabetologe</i> , 2019 , 15, 573-579	0.2	
7	Trends in Obesity Among Low-Income Young Children. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 1713-1714	27.4	
6	Typ-2-Diabetes: bariatrische Chirurgie effektiver als medikamentöse Therapie. <i>Diabetologie Und Stoffwechsel</i> , 2017 , 12, 182-183	0.7	
5	Diabetes und Fettleber. <i>Diabetes Aktuell</i> , 2021 , 19, 318-322	0	
4	Diabetes und Fettleber. <i>Diabetologie Und Stoffwechsel</i> , 2021 , 16, S308-S311	0.7	

- 3 Fettleber und Diabetes: Pathomechanismen. *Diabetologe*, **2020**, 16, 560-565 0.2
- 2 Diabetes und Fettleber. *Diabetologe*, **2021**, 17, 307-310 0.2
- 1 Diabetes und nicht-alkoholische Fettleber-Erkrankungen. *Diabetes Aktuell*, **2021**, 19, 67-70 0