Norbert Stefan

List of Publications by Year
in descending order

249 papers	21,924 citations	7551 77 h-index	10708 138 g-index
273 all docs	273 docs citations	273 times ranked	26643 citing authors

#	Article	IF	Citations
1	Identification and Characterization of Metabolically Benign Obesity in Humans. Archives of Internal Medicine, 2008, 168, 1609.	4.3	869
2	Identification of Serum Metabolites Associated With Risk of Type 2 Diabetes Using a Targeted Metabolomic Approach. Diabetes, 2013, 62, 639-648.	0.3	820
3	Non-invasive assessment and quantification of liver steatosis by ultrasound, computed tomography and magnetic resonance. Journal of Hepatology, 2009, 51, 433-445.	1.8	667
4	High Alanine Aminotransferase Is Associated With Decreased Hepatic Insulin Sensitivity and Predicts the Development of Type 2 Diabetes. Diabetes, 2002, 51, 1889-1895.	0.3	615
5	Metabolically healthy obesity: epidemiology, mechanisms, and clinical implications. Lancet Diabetes and Endocrinology,the, 2013, 1, 152-162.	5.5	594
6	Non-alcoholic fatty liver disease: causes, diagnosis, cardiometabolic consequences, and treatment strategies. Lancet Diabetes and Endocrinology,the, 2019, 7, 313-324.	5.5	566
7	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. Diabetes, 2002, 51, 1884-1888.	0.3	491
8	Obesity and impaired metabolic health in patients with COVID-19. Nature Reviews Endocrinology, 2020, 16, 341-342.	4.3	458
9	Causes and Metabolic Consequences of Fatty Liver. Endocrine Reviews, 2008, 29, 939-960.	8.9	455
10	Â2-Heremans-Schmid Glycoprotein/ Fetuin-A Is Associated With Insulin Resistance and Fat Accumulation in the Liver in Humans. Diabetes Care, 2006, 29, 853-857.	4.3	440
11	The role of hepatokines in metabolism. Nature Reviews Endocrinology, 2013, 9, 144-152.	4.3	411
12	Causes, Characteristics, and Consequences of Metabolically Unhealthy Normal Weight in Humans. Cell Metabolism, 2017, 26, 292-300.	7.2	388
13	Impact of Age on the Relationships of Brown Adipose Tissue With Sex and Adiposity in Humans. Diabetes, 2010, 59, 1789-1793.	0.3	349
14	Plasma Fetuin-A Levels and the Risk of Type 2 Diabetes. Diabetes, 2008, 57, 2762-2767.	0.3	326
15	Causes, consequences, and treatment of metabolically unhealthy fat distribution. Lancet Diabetes and Endocrinology,the, 2020, 8, 616-627.	5.5	326
16	Global pandemics interconnected â€" obesity, impaired metabolic health and COVID-19. Nature Reviews Endocrinology, 2021, 17, 135-149.	4.3	326
17	Dissociation Between Fatty Liver and Insulin Resistance in Humans Carrying a Variant of the Patatin-Like Phospholipase 3 Gene. Diabetes, 2009, 58, 2616-2623.	0.3	291
18	Metabolically healthy obesity and cardiovascular events: A systematic review and meta-analysis. European Journal of Preventive Cardiology, 2016, 23, 956-966.	0.8	283

#	Article	IF	Citations
19	Plasma Fetuin-A Levels and the Risk of Myocardial Infarction and Ischemic Stroke. Circulation, 2008, 118, 2555-2562.	1.6	277
20	Transition from metabolic healthy to unhealthy phenotypes and association with cardiovascular disease risk across BMI categories in 90â€˜257 women (the Nurses' Health Study): 30 year follow-up from a prospective cohort study. Lancet Diabetes and Endocrinology,the, 2018, 6, 714-724.	5.5	276
21	Plasma Adiponectin Concentrations in Children: Relationships with Obesity and Insulinemia. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 4652-4656.	1.8	267
22	Fetuin-A Induces Cytokine Expression and Suppresses Adiponectin Production. PLoS ONE, 2008, 3, e1765.	1.1	247
23	The impact of insulin resistance on the kidney and vasculature. Nature Reviews Nephrology, 2016, 12, 721-737.	4.1	241
24	A global view of the interplay between non-alcoholic fatty liver disease and diabetes. Lancet Diabetes and Endocrinology,the, 2022, 10, 284-296.	5.5	232
25	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. Scientific Reports, 2016, 6, 26745.	1.6	224
26	Metabolically healthy obesity: the low-hanging fruit in obesity treatment?. Lancet Diabetes and Endocrinology,the, 2018, 6, 249-258.	5.5	221
27	Pancreatic fat is negatively associated with insulin secretion in individuals with impaired fasting glucose and/or impaired glucose tolerance: a nuclear magnetic resonance study. Diabetes/Metabolism Research and Reviews, 2010, 26, 200-205.	1.7	212
28	High Circulating Retinol-Binding Protein 4 Is Associated With Elevated Liver Fat but Not With Total, Subcutaneous, Visceral, or Intramyocellular Fat in Humans. Diabetes Care, 2007, 30, 1173-1178.	4.3	203
29	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. Nature Medicine, 2021, 27, 49-57.	15.2	203
30	Empagliflozin Effectively Lowers Liver Fat Content in Well-Controlled Type 2 Diabetes: A Randomized, Double-Blind, Phase 4, Placebo-Controlled Trial. Diabetes Care, 2020, 43, 298-305.	4.3	185
31	Acute Hyperglycemia Causes Intracellular Formation of CML and Activation of ras, p42/44 MAPK, and Nuclear Factor ÂB in PBMCs. Diabetes, 2003, 52, 621-633.	0.3	180
32	Polymorphisms in the gene encoding adiponectin receptor 1 are associated with insulin resistance and high liver fat. Diabetologia, 2005, 48, 2282-2291.	2.9	175
33	Muscle-Derived Angiopoietin-Like Protein 4 Is Induced by Fatty Acids via Peroxisome Proliferatorâ€“Activated Receptor (PPAR)-Î´ and Is of Metabolic Relevance in Humans. Diabetes, 2009, 58, 579-589.	0.3	166
34	Phenotypes of prediabetes and stratification of cardiometabolic risk. Lancet Diabetes and Endocrinology,the, 2016, 4, 789-798.	5.5	164
35	Intermuscular adipose tissue (IMAT): Association with other adipose tissue compartments and insulin sensitivity. Journal of Magnetic Resonance Imaging, 2009, 29, 1340-1345.	1.9	160
36	The Metabolically Benign and Malignant Fatty Liver. Diabetes, 2011, 60, 2011-2017.	0.3	158

#	Article	IF	Citations
37	Polymorphisms within Novel Risk Loci for Type 2 Diabetes Determine Î²-Cell Function. PLoS ONE, 2007, 2, e832.	1.1	147
38	Hepatic lipid accumulation in healthy subjects: A comparative study using spectral fat-selective MRI and volume-localized1H-MR spectroscopy. Magnetic Resonance in Medicine, 2006, 55, 913-917.	1.9	146
39	Effect of SGLT2 inhibitors on body composition, fluid status and reninâ€“angiotensinâ€“aldosterone system in type 2 diabetes: a prospective study using bioimpedance spectroscopy. Cardiovascular Diabetology, 2019, 18, 46.	2.7	146
40	Effects of 4-week very-high-fructose/glucose diets on insulin sensitivity, visceral fat and intrahepatic lipids: an exploratory trial. British Journal of Nutrition, 2011, 106, 79-86.	1.2	145
41	Palmitate-Induced Interleukin-6 Expression in Human Coronary Artery Endothelial Cells. Diabetes, 2004, 53, 3209-3216.	0.3	136
42	Central Insulin Administration Improves Whole-Body Insulin Sensitivity via Hypothalamus and Parasympathetic Outputs in Men. Diabetes, 2014, 63, 4083-4088.	0.3	135
43	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. Diabetes, 2009, 58, 1757-1765.	0.3	134
44	Circulating fetuin-A and free fatty acids interact to predict insulin resistance in humans. Nature Medicine, 2013, 19, 394-395.	15.2	134
45	Circulating Palmitoleate Strongly and Independently Predicts Insulin Sensitivity in Humans. Diabetes Care, 2010, 33, 405-407.	4.3	130
46	Relationships of Circulating Sex Hormoneâ€“Binding Globulin With Metabolic Traits in Humans. Diabetes, 2010, 59, 3167-3173.	0.3	130
47	The impact of liver fat vs visceral fat in determining categories of prediabetes. Diabetologia, 2010, 53, 882-889.	2.9	126
48	Genetic Variations inPPARDandPPARGC1ADetermine Mitochondrial Function and Change in Aerobic Physical Fitness and Insulin Sensitivity during Lifestyle Intervention. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1827-1833.	1.8	123
49	High Visceral Fat Mass and High Liver Fat Are Associated with Resistance to Lifestyle Intervention. Obesity, 2007, 15, 531-538.	1.5	122
50	Effects of a lifestyle intervention in metabolically benign and malign obesity. Diabetologia, 2011, 54, 864-868.	2.9	120
51	Hepatic Lipid Composition and Stearoyl-Coenzyme A Desaturase 1 mRNA Expression Can Be Estimated from Plasma VLDL Fatty Acid Ratios. Clinical Chemistry, 2009, 55, 2113-2120.	1.5	113
52	Elevated hepatic DPP4 activity promotes insulin resistance and non-alcoholic fatty liver disease. Molecular Metabolism, 2017, 6, 1254-1263.	3.0	109
53	Expression of Adiponectin Receptor mRNA in Human Skeletal Muscle Cells Is Related to In Vivo Parameters of Glucose and Lipid Metabolism. Diabetes, 2004, 53, 2195-2201.	0.3	108
54	Increased fat accumulation in liver may link insulin resistance with subcutaneous abdominal adipocyte enlargement, visceral adiposity, and hypoadiponectinemia in obese individuals. American Journal of Clinical Nutrition, 2008, 87, 295-302.	2.2	106

#	Article	IF	Citations
55	Polymorphisms within the Novel Type 2 Diabetes Risk Locus MTNR1B Determine Î²-Cell Function. PLoS ONE, 2008, 3, e3962.	1.1	106
56	Association of Type 2 Diabetes Candidate Polymorphisms in KCNQ1 With Incretin and Insulin Secretion. Diabetes, 2009, 58, 1715-1720.	0.3	105
57	Follow-up Whole-Body Assessment of Adipose Tissue Compartments during a Lifestyle Intervention in a Large Cohort at Increased Risk for Type 2 Diabetes. Radiology, 2010, 257, 353-363.	3.6	105
58	Quantification of Pancreatic Lipomatosis and Liver Steatosis by MRI: Comparison of In/Opposed-Phase and Spectral-Spatial Excitation Techniques. Investigative Radiology, 2008, 43, 330-337.	3.5	104
59	Impact of Variation in the FTO Gene on Whole Body Fat Distribution, Ectopic Fat, and Weight Loss. Obesity, 2008, 16, 1969-1972.	1.5	102
60	Circulating Lysophosphatidylcholines Are Markers of a Metabolically Benign Nonalcoholic Fatty Liver. Diabetes Care, 2013, 36, 2331-2338.	4.3	100
61	Metabolic crosstalk between fatty pancreas and fatty liver: effects on local inflammation and insulin secretion. Diabetologia, 2017, 60, 2240-2251.	2.9	100
62	Lifestyle intervention in individuals with normal versus impaired glucose tolerance. European Journal of Clinical Investigation, 2007, 37, 535-543.	1.7	99
63	Plasma Adiponectin and Endogenous Glucose Production in Humans. Diabetes Care, 2003, 26, 3315-3319.	4.3	98
64	Inhibition of 11Î²-HSD1 with RO5093151 for non-alcoholic fatty liver disease: a multicentre, randomised, double-blind, placebo-controlled trial. Lancet Diabetes and Endocrinology,the, 2014, 2, 406-416.	5.5	98
65	Glucose Allostasis. Diabetes, 2003, 52, 903-909.	0.3	97
66	1H MR spectroscopy of skeletal muscle, liver and bone marrow. European Journal of Radiology, 2008, 67, 275-284.	1.2	97
67	Hepatic Glucokinase Expression Is Associated with Lipogenesis and Fatty Liver in Humans. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1126-E1130.	1.8	94
68	Divergent associations of height with cardiometabolic disease and cancer: epidemiology, pathophysiology, and global implications. Lancet Diabetes and Endocrinology,the, 2016, 4, 457-467.	5.5	90
69	T2* Relaxometry in Liver, Pancreas, and Spleen in a Healthy Cohort of One Hundred Twenty-Nine Subjectsâ€“Correlation With Age, Gender, and Serum Ferritin. Investigative Radiology, 2008, 43, 854-860.	3.5	89
70	Low hepatic stearoyl-CoA desaturase 1 activity is associated with fatty liver and insulin resistance in obese humans. Diabetologia, 2008, 51, 648-656.	2.9	87
71	Hypothalamic and Striatal Insulin Action Suppresses Endogenous Glucose Production and May Stimulate Glucose Uptake During Hyperinsulinemia in Lean but Not in Overweight Men. Diabetes, 2017, 66, 1797-1806.	0.3	87
72	Leptin downâ€regulates insulin action through phosphorylation of serineâ€318 in insulin receptor substrate 1. FASEB Journal, 2006, 20, 1206-1208.	0.2	84

#	Article	IF	Citations
73	The Relationships of Plasma Adiponectin with a Favorable Lipid Profile, Decreased Inflammation, and Less Ectopic Fat Accumulation Depend on Adiposity. Clinical Chemistry, 2006, 52, 1934-1942.	1.5	83
74	Association of AHSG Gene Polymorphisms With Fetuin-A Plasma Levels and Cardiovascular Diseases in the EPIC-Potsdam Study. Circulation: Cardiovascular Genetics, 2009, 2, 607-613.	5.1	83
75	Common Genetic Variation in the Human FNDC5 Locus, Encoding the Novel Muscle-Derived â€˜Browningâ€™ Factor Irisin, Determines Insulin Sensitivity. PLoS ONE, 2013, 8, e61903.	1.1	83
76	Characterization of metabolically unhealthy normal-weight individuals: Risk factors and their associations with type 2 diabetes. Metabolism: Clinical and Experimental, 2015, 64, 862-871.	1.5	80
77	Relationships Among Age, Proinsulin Conversion, and Â-Cell Function in Nondiabetic Humans. Diabetes, 2002, 51, S234-S239.	0.3	79
78	Single-Nucleotide Polymorphism rs7754840 ofCDKAL1Is Associated with Impaired Insulin Secretion in Nondiabetic Offspring of Type 2 Diabetic Subjects and in a Large Sample of Men with Normal Glucose Tolerance. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1924-1930.	1.8	75
79	Body adiposity index, body fat content and incidence of type 2 diabetes. Diabetologia, 2012, 55, 1660-1667.	2.9	73
80	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. Diabetes, 2019, 68, 207-219.	0.3	72
81	Variations inPPARDDetermine the Change in Body Composition during Lifestyle Intervention: A Whole-Body Magnetic Resonance Study. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1497-1500.	1.8	71
82	The DGAT2 gene is a candidate for the dissociation between fatty liver and insulin resistance in humans. Clinical Science, 2009, 116, 531-537.	1.8	70
83	Intrahepatic Lipids Are Predicted by Visceral Adipose Tissue Mass in Healthy Subjects. Diabetes Care, 2004, 27, 2726-2729.	4.3	69
84	Gene Variants of TCF7L2 Influence Weight Loss and Body Composition During Lifestyle Intervention in a Population at Risk for Type 2 Diabetes. Diabetes, 2010, 59, 747-750.	0.3	69
85	Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. Diabetes, 2016, 65, 3200-3211.	0.3	67
86	Low Plasma Adiponectin Concentrations Do Not Predict Weight Gain in Humans. Diabetes, 2002, 51, 2964-2967.	0.3	66
87	High Hepatic SCD1 Activity Is Associated with Low Liver Fat Content in Healthy Subjects under a Lipogenic Diet. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E2288-E2292.	1.8	66
88	Effects of resveratrol supplementation on liver fat content in overweight and insulinâ€resistant subjects: A randomized, doubleâ€blind, placeboâ€controlled clinical trial. Diabetes, Obesity and Metabolism, 2018, 20, 1793-1797.	2.2	66
89	Evaluation of Fasting State-/Oral Glucose Tolerance Test-Derived Measures of Insulin Release for the Detection of Genetically Impaired Î²-Cell Function. PLoS ONE, 2010, 5, e14194.	1.1	65
90	Family history of diabetes is associated with higher risk for prediabetes: a multicentre analysis from the German Center for Diabetes Research. Diabetologia, 2013, 56, 2176-2180.	2.9	64

#	Article	IF	Citations
91	Impact of the Adipokine Adiponectin and the Hepatokine Fetuin-A on the Development of Type 2 Diabetes: Prospective Cohort- and Cross-Sectional Phenotyping Studies. PLoS ONE, 2014, 9, e92238.	1.1	63
92	TGF-Î² Contributes to Impaired Exercise Response by Suppression of Mitochondrial Key Regulators in Skeletal Muscle. Diabetes, 2016, 65, 2849-2861.	0.3	62
93	An Empirically Derived Definition of Metabolically Healthy Obesity Based on Risk of Cardiovascular and Total Mortality. JAMA Network Open, 2021, 4, e218505.	2.8	62
94	Fibroblast growth factor 21 is elevated in metabolically unhealthy obesity and affects lipid deposition, adipogenesis, and adipokine secretion of human abdominal subcutaneous adipocytes. Molecular Metabolism, 2015, 4, 519-527.	3.0	60
95	High plasma fetuin-A is associated with increased carotid intima-media thickness in a middle-aged population. Atherosclerosis, 2009, 207, 341-342.	0.4	58
96	High cerebral insulin sensitivity is associated with loss of body fat during lifestyle intervention. Diabetologia, 2012, 55, 175-182.	2.9	57
97	Correlation of Brown Adipose Tissue with Other Body Fat Compartments and Patient Characteristics. Academic Radiology, 2018, 25, 102-110.	1.3	57
98	A high-risk phenotype associates with reduced improvement in glycaemia during a lifestyle intervention in prediabetes. Diabetologia, 2015, 58, 2877-2884.	2.9	56
99	The hepatokines fetuin-A and fetuin-B are upregulated in the state of hepatic steatosis and may differently impact on glucose homeostasis in humans. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E266-E273.	1.8	56
100	Fatty Liver Is Independently Associated With Alterations in Circulating HDL2 and HDL3 Subfractions. Diabetes Care, 2008, 31, 366-368.	4.3	55
101	Association between the Fatty Liver Index and Risk of Type 2 Diabetes in the EPIC-Potsdam Study. PLoS ONE, 2015, 10, e0124749.	1.1	54
102	A Candidate Type 2 Diabetes Polymorphism Near the HHEX Locus Affects Acute Glucose-Stimulated Insulin Release in European Populations: Results from the EUGENE2 study. Diabetes, 2008, 57, 514-517.	0.3	53
103	RARRES2, encoding the novel adipokine chemerin, is a genetic determinant of disproportionate regional body fat distribution: a comparative magnetic resonance imaging study. Metabolism: Clinical and Experimental, 2009, 58, 519-524.	1.5	53
104	Quantitative Analysis of Adipose Tissue in Single Transverse Slices for Estimation of Volumes of Relevant Fat Tissue Compartments. Investigative Radiology, 2010, 45, 788-794.	3.5	53
105	Variant near ADAMTS9 Known to Associate with Type 2 Diabetes Is Related to Insulin Resistance in Offspring of Type 2 Diabetes Patientsâ€"EUGENE2 Study. PLoS ONE, 2009, 4, e7236.	1.1	53
106	Sex Hormoneâ€"Binding Globulin and Risk of Type 2 Diabetes. New England Journal of Medicine, 2009, 361, 2675-2678.	13.9	51
107	Association of obesity risk SNPs in PCSK1with insulin sensitivity and proinsulin conversion. BMC Medical Genetics, 2010, 11, 86.	2.1	50
108	Metabolic disorders, COVID-19 and vaccine-breakthrough infections. Nature Reviews Endocrinology, 2022, 18, 75-76.	4.3	50

#	Article	IF	Citations
109	Age-dependent association of serum prolactin with glycaemia and insulin sensitivity in humans. Acta Diabetologica, 2014, 51, 71-78.	1.2	49
110	Genetic variation within the TRPM5 locus associates with prediabetic phenotypes in subjects at increased risk for type 2 diabetes. Metabolism: Clinical and Experimental, 2011, 60, 1325-1333.	1.5	47
111	Metabolic Signatures of Cultured Human Adipocytes from Metabolically Healthy versus Unhealthy Obese Individuals. PLoS ONE, 2014, 9, e93148.	1.1	47
112	A New Variant in the Human Kv1.3 Gene Is Associated with Low Insulin Sensitivity and Impaired Glucose Tolerance. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 654-658.	1.8	44
113	Fetuin-A influences vascular cell growth and production of proinflammatory and angiogenic proteins by human perivascular fat cells. Diabetologia, 2014, 57, 1057-1066.	2.9	44
114	Lipodystrophic Nonalcoholic Fatty Liver Disease Induced by Immune Checkpoint Blockade. Annals of Internal Medicine, 2020, 172, 836-837.	2.0	44
115	Autoimmune Thrombocytopenia Associated withBorrelia burgdorferi. Clinical Infectious Diseases, 1999, 28, 927-927.	2.9	43
116	Metabolic Effects of the Gly1057Asp Polymorphism in IRS-2 and Interactions With Obesity. Diabetes, 2003, 52, 1544-1550.	0.3	43
117	Glycemia Determines the Effect of Type 2 Diabetes Risk Genes on Insulin Secretion. Diabetes, 2010, 59, 3247-3252.	0.3	43
118	Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans With Prediabetes: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial. Diabetes Care, 2022, 45, 398-406.	4.3	43
119	Associations of short stature and components of height with incidence of type 2 diabetes: mediating effects of cardiometabolic risk factors. Diabetologia, 2019, 62, 2211-2221.	2.9	42
120	PNPLA3 variant I148M is associated with altered hepatic lipid composition in humans. Diabetologia, 2014, 57, 2103-2107.	2.9	41
121	Solutions for Low and High Accuracy Mass Spectrometric Data Matching: A Data-Driven Annotation Strategy in Nontargeted Metabolomics. Analytical Chemistry, 2015, 87, 8917-8924.	3.2	41
122	The Association between Plasma Adiponectin and Insulin Sensitivity in Humans Depends on Obesity. Obesity, 2005, 13, 1683-1691.	4.0	40
123	The Insulin Effect on Cerebrocortical Theta Activity Is Associated with Serum Concentrations of Saturated Nonesterified Fatty Acids. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4600-4607.	1.8	40
124	Insulin Sensitivity and Liver Fat: Role of Iron Load. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E958-E961.	1.8	40
125	Obesity and renal disease: not all fat is created equal and not all obesity is harmful to the kidneys. Nephrology Dialysis Transplantation, 2016, 31, 726-730.	0.4	40
126	Novel Meta-Analysis-Derived Type 2 Diabetes Risk Loci Do Not Determine Prediabetic Phenotypes. PLoS ONE, 2008, 3, e3019.	1.1	39

#	Article	IF	Citations
127	Association of Common Genetic Variation in theFOXO1Gene with Î²-Cell Dysfunction, Impaired Glucose Tolerance, and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1353-1360.	1.8	39
128	Glucose-Raising Genetic Variants in MADD and ADCY5 Impair Conversion of Proinsulin to Insulin. PLoS ONE, 2011, 6, e23639.	1.1	38
129	New Imaging Techniques of Fat, Muscle and Liver within the Context of Determining Insulin Sensitivity. Hormone Research in Paediatrics, 2005, 64, 38-44.	0.8	37
130	Visceral Adiposity Index as an Independent Marker of Subclinical Atherosclerosis in Individuals Prone to Diabetes Mellitus. Journal of Atherosclerosis and Thrombosis, 2019, 26, 821-834.	0.9	36
131	Interaction effect between common polymorphisms in PPARÎ³2 (Pro12Ala) and insulin receptor substrate 1 (Gly972Arg) on insulin sensitivity. Journal of Molecular Medicine, 2002, 80, 33-38.	1.7	35
132	Elevated plasma nonesterified fatty acids are associated with deterioration of acute insulin response in IGT but not NGT. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E1156-E1161.	1.8	35
133	Exaggerated insulin secretion in Pima Indians and African-Americans but higher insulin resistance in Pima Indians compared to African-Americans and Caucasians. Diabetic Medicine, 2004, 21, 1090-1095.	1.2	35
134	Relationships of body composition and liver fat content with insulin resistance in obesityâ€matched adolescents and adults. Obesity, 2014, 22, 1325-1331.	1.5	35
135	Serine/threonine protein kinase 25 antisense oligonucleotide treatment reverses glucose intolerance, insulin resistance, and nonalcoholic fatty liver disease in mice. Hepatology Communications, 2018, 2, 69-83.	2.0	35
136	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). Diabetes, 2021, 70, 2785-2795.	0.3	35
137	Liver Fat and Insulin Resistance Are Independently Associated with the â^'514C>T Polymorphism of the Hepatic Lipase Gene. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 4238-4243.	1.8	33
138	Plasma Adiponectin Levels Are Not Associated with Fat Oxidation in Humans. Obesity, 2002, 10, 1016-1020.	4.0	32
139	Parasympathetic Blockade Attenuates Augmented Pancreatic Polypeptide But Not Insulin Secretion in Pima Indians. Diabetes, 2004, 53, 663-671.	0.3	32
140	Environmental and Genetic Determinants of Fatty Liver in Humans. Digestive Diseases, 2010, 28, 169-178.	0.8	32
141	Visceral obesity modulates the impact of apolipoprotein C3 gene variants on liver fat content. International Journal of Obesity, 2012, 36, 774-782.	1.6	31
142	Metabolically Healthy and Unhealthy Normal Weight and Obesity. Endocrinology and Metabolism, 2020, 35, 487-493.	1.3	31
143	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. Nature Communications, 2021, 12, 6486.	5.8	31
144	Novel Obesity Risk Loci Do Not Determine Distribution of Body Fat Depots: A Wholeâ€body MRI/MRS study. Obesity, 2010, 18, 1212-1217.	1.5	30

#	Article	IF	Citations
145	A novel insulin sensitivity index particularly suitable to measure insulin sensitivity during gestation. Acta Diabetologica, 2016, 53, 1037-1044.	1.2	30
146	Intraâ€•and interindividual variability of fatty acid unsaturation in six different human adipose tissue compartments assessed by ¹Hâ€MRS in vivo at 3ÂT. NMR in Biomedicine, 2017, 30, e3744.	1.6	29
147	Reduced adiponectin serum levels in smokers. Atherosclerosis, 2005, 179, 421-422.	0.4	28
148	Cardiorespiratory fitness determines the reduction in blood pressure and insulin resistance during lifestyle intervention. Journal of Hypertension, 2011, 29, 1220-1227.	0.3	28
149	Relationships between hepatic stearoyl-CoA desaturase-1 activity and mRNA expression with liver fat content in humans. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E321-E326.	1.8	28
150	Common Genetic Variation in the SERPINF1 Locus Determines Overall Adiposity, Obesity-Related Insulin Resistance, and Circulating Leptin Levels. PLoS ONE, 2012, 7, e34035.	1.1	28
151	Fraction of unsaturated fatty acids in visceral adipose tissue (VAT) is lower in subjects with high total VAT volume â€“ a combined ¹H MRS and volumetric MRI study in male subjects. NMR in Biomedicine, 2013, 26, 232-236.	1.6	28
152	Untangling the interplay of genetic and metabolic influences on beta-cell function: Examples of potential therapeutic implications involving TCF7L2 and FFAR1. Molecular Metabolism, 2014, 3, 261-267.	3.0	28
153	The D299G/T399I Toll-Like Receptor 4 Variant Associates with Body and Liver Fat: Results from the TULIP and METSIM Studies. PLoS ONE, 2010, 5, e13980.	1.1	27
154	Association of Common Genetic Variants in the MAP4K4 Locus with Prediabetic Traits in Humans. PLoS ONE, 2012, 7, e47647.	1.1	27
155	Glucose-Raising Polymorphisms in the Human Clock Gene Cryptochrome 2 (CRY2) Affect Hepatic Lipid Content. PLoS ONE, 2016, 11, e0145563.	1.1	27
156	Increased insulin clearance in peroxisome proliferator-activated receptor Î³2 Pro12Ala. Metabolism: Clinical and Experimental, 2003, 52, 778-783.	1.5	26
157	Effect of genotype on success of lifestyle intervention in subjects at risk for type 2 diabetes. Journal of Molecular Medicine, 2007, 85, 107-117.	1.7	26
158	C825T Polymorphism of the G Protein Î²₃ Subunit Is Associated with Obesity but Not with Insulin Sensitivity. Obesity, 2004, 12, 679-683.	4.0	25
159	Variants in the CD36 Gene Locus Determine Wholeâ€Body Adiposity, but Have No Independent Effect on Insulin Sensitivity. Obesity, 2011, 19, 1004-1009.	1.5	25
160	Cholesterol Synthesis Is Associated with Hepatic Lipid Content and Dependent on Fructose/Glucose Intake in Healthy Humans. Experimental Diabetes Research, 2012, 2012, 1-7.	3.8	25
161	Associations of Erythrocyte Fatty Acids in the De Novo Lipogenesis Pathway with Proxies of Liver Fat Accumulation in the EPIC-Potsdam Study. PLoS ONE, 2015, 10, e0127368.	1.1	25
162	Nonsuppressed Glucagon After Glucose Challenge as a Potential Predictor for Glucose Tolerance. Diabetes, 2017, 66, 1373-1379.	0.3	25

#	Article	IF	Citations
163	Upstream transcription factor 1 gene polymorphisms are associated with high antilipolytic insulin sensitivity and show geneâ€“gene interactions. Journal of Molecular Medicine, 2006, 85, 55-61.	1.7	24
164	The -8503 G/A Polymorphism of the Adiponectin Receptor 1 Gene Is Associated With Insulin Sensitivity Dependent on Adiposity. Diabetes Care, 2006, 29, 464-464.	4.3	24
165	Genetic Variation in NR1H4 Encoding the Bile Acid Receptor FXR Determines Fasting Glucose and Free Fatty Acid Levels in Humans. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1224-E1229.	1.8	24
166	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. Diabetologia, 2017, 60, 2341-2351.	2.9	24
167	Genetic variation within the ANGPTL4 gene is not associated with metabolic traits in white subjects at an increased risk for type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2008, 57, 637-643.	1.5	22
168	Common polymorphisms within the NR4A3 locus, encoding the orphan nuclear receptor Nor-1, are associated with enhanced Î²-cell function in non-diabetic subjects. BMC Medical Genetics, 2009, 10, 77.	2.1	22
169	The Impact of Genetic Variation in theG6PC2Gene on Insulin Secretion Depends on Glycemia. Journal of Clinical Endocrinology and Metabolism, 2010, 95, E479-E484.	1.8	22
170	Variation in the Phosphoinositide 3-Kinase Gamma Gene Affects Plasma HDL-Cholesterol without Modification of Metabolic or Inflammatory Markers. PLoS ONE, 2015, 10, e0144494.	1.1	22
171	An extended fatty liver index to predict non-alcoholic fatty liver disease. Diabetes and Metabolism, 2017, 43, 229-239.	1.4	22
172	Interscapular Fat Is Strongly Associated with Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4736-4742.	1.8	21
173	Genetic variation within the NR1H2 gene encoding liver X receptor Î² associates with insulin secretion in subjects at increased risk for type 2 diabetes. Journal of Molecular Medicine, 2011, 89, 75-81.	1.7	21
174	Dissociation between fatty liver and insulin resistance: the role of adipose triacylglycerol lipase. Diabetologia, 2011, 54, 7-9.	2.9	21
175	Liver-targeting drugs and their effect on blood glucose and hepatic lipids. Diabetologia, 2021, 64, 1461-1479.	2.9	21
176	Endogenous glucose production, insulin sensitivity, and insulin secretion in normal glucose-tolerant Pima Indians with low birth weight. Metabolism: Clinical and Experimental, 2004, 53, 904-911.	1.5	20
177	Allele Summation of Diabetes Risk Genes Predicts Impaired Glucose Tolerance in Female and Obese Individuals. PLoS ONE, 2012, 7, e38224.	1.1	20
178	Genetic Variation in the 11Î²-hydroxysteroid-dehydrogenase 1 Gene Determines NAFLD and Visceral Obesity. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4743-4751.	1.8	20
179	Fat Distribution Patterns and Future Type 2 Diabetes. Diabetes, 2022, 71, 1937-1945.	0.3	20
180	The Body Adiposity Index and the Sexual Dimorphism in Body Fat. Obesity, 2011, 19, 1729-1729.	1.5	19

#	Article	IF	Citations
181	Impact of Different Fat Depots on Insulin Sensitivity: Predominant Role of Liver Fat. Journal of Diabetes Science and Technology, 2007, 1, 753-759.	1.3	18
182	The Inhibitory Effect of Recent Type 2 Diabetes Risk Loci on Insulin Secretion Is Modulated by Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1775-1780.	1.8	18
183	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. Metabolism: Clinical and Experimental, 2009, 58, 1809-1811.	1.5	18
184	Nor-1, a novel incretin-responsive regulator of insulin genes and insulin secretion. Molecular Metabolism, 2013, 2, 243-255.	3.0	17
185	Granulocyte colony-stimulating factor (G-CSF): A saturated fatty acid-induced myokine with insulin-desensitizing properties in humans. Molecular Metabolism, 2016, 5, 305-316.	3.0	17
186	Circulating Fetuin-A and Risk of Type 2 Diabetes: A Mendelian Randomization Analysis. Diabetes, 2018, 67, 1200-1205.	0.3	17
187	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. Nutrients, 2020, 12, 2064.	1.7	17
188	Elevated Circulating Glutamate Is Associated With Subclinical Atherosclerosis Independently of Established Risk Markers: A Cross-Sectional Study. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e982-e989.	1.8	17
189	Obesity and Impaired Metabolic Health Increase Risk of COVID-19-Related Mortality in Young and Middle-Aged Adults to the Level Observed in Older People: The LEOSS Registry. Frontiers in Medicine, 2022, 9, .	1.2	17
190	Adiponectin Oligomers and Ectopic Fat in Liver and Skeletal Muscle in Humans. Obesity, 2009, 17, 390-392.	1.5	16
191	Dietary Niacin Intake Predicts the Decrease of Liver Fat Content During a Lifestyle Intervention. Scientific Reports, 2019, 9, 1303.	1.6	16
192	The importance of brown adipose tissue. New England Journal of Medicine, 2009, 361, 416-7; author reply 418-21.	13.9	16
193	Genetic determination of body fat distribution and the attributive influence on metabolism. Obesity, 2017, 25, 1277-1283.	1.5	15
194	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. American Journal of Clinical Nutrition, 2019, 109, 288-296.	2.2	15
195	Variance of the SGK1 Gene Is Associated with Insulin Secretion in Different European Populations: Results from the TUEF, EUGENE2, and METSIM Studies. PLoS ONE, 2008, 3, e3506.	1.1	15
196	Circulating Retinol-Binding Protein-4, Insulin Sensitivity, Insulin Secretion, and Insulin Disposition Index in Obese and Nonobese Subjects. Diabetes Care, 2007, 30, e91-e91.	4.3	14
197	Tipping the inflammatory balance: inflammasome activation distinguishes metabolically unhealthy from healthy obesity. Diabetologia, 2013, 56, 2343-2346.	2.9	14
198	Metabolomic Characteristics of Fatty Pancreas. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 804-810.	0.6	14

#	Article	IF	Citations
199	The hepatokine fetuin-A disrupts functional maturation of pancreatic beta cells. Diabetologia, 2021, 64, 1358-1374.	2.9	14
200	Global trends in body-mass index. Lancet, The, 2011, 377, 1917.	6.3	13
201	Sex-Specific Associations of Testosterone With Metabolic Traits. Frontiers in Endocrinology, 2019, 10, 90.	1.5	13
202	Heterogeneity of the Stearoyl-CoA desaturase-1 (SCD1) Gene and Metabolic Risk Factors in the EPIC-Potsdam Study. PLoS ONE, 2012, 7, e48338.	1.1	13
203	DPP4 gene variation affects GLP-1 secretion, insulin secretion, and glucose tolerance in humans with high body adiposity. PLoS ONE, 2017, 12, e0181880.	1.1	12
204	Nonalcoholic Fatty Liver Disease and Mortality. Clinical Gastroenterology and Hepatology, 2018, 16, 1043-1045.	2.4	12
205	Reproducibility and discrimination of different indices of insulin sensitivity and insulin secretion. PLoS ONE, 2021, 16, e0258476.	1.1	12
206	Psychological effects of prevention: do participants of a type 2 diabetes prevention program experience increased mental distress?. Diabetes/Metabolism Research and Reviews, 2009, 25, 83-88.	1.7	11
207	Periaortic Adipose Tissue Compared With Peribrachial Adipose Tissue Mass as Markers and Possible Modulators of Cardiometabolic Risk. Angiology, 2018, 69, 854-860.	0.8	11
208	Genetic variation in TCF7L2 rs7903146 and history of GDM negatively and independently impact on diabetes-associated metabolic traits. Diabetes Research and Clinical Practice, 2018, 146, 251-257.	1.1	11
209	Identification and Characterization of Metabolically Benign Obesity in Humans. Obstetrical and Gynecological Survey, 2009, 64, 30-31.	0.2	10
210	Peroxisome proliferator-activated receptor gamma (PPARG) modulates free fatty acid receptor 1 (FFAR1) dependent insulin secretion in humans. Molecular Metabolism, 2014, 3, 676-680.	3.0	10
211	Common variation in the sodium/glucose cotransporter 2 gene SLC5A2 does neither affect fasting nor glucose-suppressed plasma glucagon concentrations. PLoS ONE, 2017, 12, e0177148.	1.1	10
212	A Polygenic Risk Score of Lipolysis-Increasing Alleles Determines Visceral Fat Mass and Proinsulin Conversion. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1090-1098.	1.8	10
213	Low-Density Lipoprotein Cholesterol Is Associated With Insulin Secretion. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1576-1584.	1.8	10
214	Detection of diabetes from whole-body MRI using deep learning. JCI Insight, 2021, 6, .	2.3	10
215	Mechanisms Explaining the Relationship Between Metabolically Healthy Obesity andÂCardiovascular Risk. Journal of the American College of Cardiology, 2014, 63, 2748-2749.	1.2	9
216	Hemostatic alterations linked to body fat distribution, fatty liver, and insulin resistance. Molecular Metabolism, 2021, 53, 101262.	3.0	9

#	Article	IF	Citations
217	Fetuin-A and risk of diabetes-related vascular complications: a prospective study. Cardiovascular Diabetology, 2022, 21, 6.	2.7	9
218	Adiponectin in Youth: Response to Bacha et al.. Diabetes Care, 2004, 27, 1519-1520.	4.3	8
219	The CCR2 promoter polymorphism T-960A, but not the serum MCP-1 level, is associated with endothelial function in prediabetic individuals. Atherosclerosis, 2008, 198, 338-346.	0.4	8
220	The genetic influence on body fat distribution. Drug Discovery Today Disease Mechanisms, 2013, 10, e5-e13.	0.8	8
221	The Gly385(388)Arg Polymorphism of the FGFR4 Receptor Regulates Hepatic Lipogenesis Under Healthy Diet. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2041-2053.	1.8	8
222	Lifestyle Intervention Improves Prothrombotic Coagulation Profile in Individuals at High Risk for Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3198-e3207.	1.8	8
223	In vitro responsiveness of human muscle cell peroxisome proliferatorâ€activated receptor Î´ reflects donorsâ€™ insulin sensitivity in vivo. European Journal of Clinical Investigation, 2011, 41, 1323-1329.	1.7	7
224	Impact of diverse chemotherapeutic agents and external factors on activation of brown adipose tissue in a large patient collective. Scientific Reports, 2019, 9, 1901.	1.6	7
225	AMPK Subunits Harbor Largely Nonoverlapping Genetic Determinants for Body Fat Mass, Glucose Metabolism, and Cholesterol Metabolism. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 14-25.	1.8	7
226	Cardiovascular disease in patients with non-alcoholic fatty liver disease. Annals of Gastroenterology, 2012, 25, 276-277.	0.4	7
227	Regulation of Synovial Adipocytokines. JAMA - Journal of the American Medical Association, 2004, 291, 694.	3.8	6
228	A novel functional polymorphism (?336A/G) in the promoter of the partitioning-defective protein-6? gene is associated with increased glucose tolerance and lower concentrations of serum non-esterified fatty acids. Diabetologia, 2005, 48, 669-674.	2.9	6
229	No association between variation in the NR4A1 gene locus and metabolic traits in white subjects at increased risk for type 2 diabetes. BMC Medical Genetics, 2010, 11, 84.	2.1	6
230	<i>FTO</i> Genotype Interacts with Improvement in Aerobic Fitness on Body Weight Loss During Lifestyle Intervention. Obesity Facts, 2016, 9, 174-181.	1.6	6
231	Reduced insulin clearance is linked to subclinical atherosclerosis in individuals at risk for type 2 diabetes mellitus. Scientific Reports, 2020, 10, 22453.	1.6	6
232	High Baseline Vitamin C Levels Do Not Prevent a Positive Outcome of a Lifestyle Intervention. Diabetes Care, 2009, 32, e112-e112.	4.3	5
233	Role of ectopic fat in the pathogenesis of insulin resistance. Clinical Lipidology, 2009, 4, 457-464.	0.4	5
234	Letter by Stefan et al Regarding Article, â€œImpact of Body Mass Index and the Metabolic Syndrome on the Risk of Cardiovascular Disease and Death in Middle-Aged Menâ€. Circulation, 2010, 122, e456; author reply e457.	1.6	5

#	Article	IF	Citations
235	Determinants of activity of brown adipose tissue in lymphoma patients. Scientific Reports, 2020, 10, 21802.	1.6	5
236	Detection and Characterization of Phosphorylation, Glycosylation, and Fatty Acid Bound to Fetuin A in Human Blood. Journal of Clinical Medicine, 2021, 10, 411.	1.0	5
237	Measures of Adiposity and Fat Distribution and Risk of Diabetes. JAMA - Journal of the American Medical Association, 2013, 309, 339.	3.8	4
238	Diabetes and Fatty Liver. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, S93-S96.	0.6	4
239	Single Nucleotide Polymorphisms in the G-Protein Coupled Receptor Kinase 5 (GRK5) Gene are associated with Plasma LDL-Cholesterol Levels in Humans. Scientific Reports, 2018, 8, 7745.	1.6	3
240	Wrapper- and Ensemble-Based Feature Subset Selection Methods for Biomarker Discovery in Targeted Metabolomics. Lecture Notes in Computer Science, 2011, , 121-132.	1.0	3
241	Impaired Metabolic Health and Low Cardiorespiratory Fitness Independently Associate With Subclinical Atherosclerosis in Obesity. Journal of Clinical Endocrinology and Metabolism, 2022, , .	1.8	3
242	Nonalcoholic Fatty Liver Disease and Coronary Artery Calcification. Clinical Gastroenterology and Hepatology, 2016, 14, 1345-1346.	2.4	2
243	Determinants of hepatic insulin clearance â€“ Results from a Mendelian Randomization study. Metabolism: Clinical and Experimental, 2021, 119, 154776.	1.5	2
244	Magnetic resonance techniques for mapping fat deposits and directing therapy. Clinical Lipidology, 2011, 6, 93-107.	0.4	1
245	Comment on Hedderson et al. Prepregnancy SHBG Concentrations and Risk for Subsequently Developing Gestational Diabetes Mellitus. Diabetes Care 2014;37:1296â€“1303. Diabetes Care, 2014, 37, e278-e279.	4.3	1
246	Genetic Predisposition to Abdominal Adiposity and Cardiometabolic Risk. JAMA - Journal of the American Medical Association, 2017, 317, 2334.	3.8	1
247	Trends in Obesity Among Low-Income Young Children. JAMA - Journal of the American Medical Association, 2019, 322, 1713.	3.8	0
248	The TUDID Study â€“ Background and Design of a Prospective Cohort. Experimental and Clinical Endocrinology and Diabetes, 2020, , .	0.6	0
249	100 Jahre Insulin: Das Hormon des Lebens. , 0, , .		0