Hans-Ulrich HÃ¤ring

List of Publications by Year
in descending order

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231 papers	17,802 citations	13865 67 h-index	16650 123 g-index
235 all docs	235 docs citations	235 times ranked	23233 citing authors

#	Article	IF	Citations
1	Identification and Characterization of Metabolically Benign Obesity in Humans. Archives of Internal Medicine, 2008, 168, 1609.	3.8	869
2	Metabolically healthy obesity: epidemiology, mechanisms, and clinical implications. Lancet Diabetes and Endocrinology,the, 2013, 1, 152-162.	11.4	594
3	Non-alcoholic fatty liver disease: causes, diagnosis, cardiometabolic consequences, and treatment strategies. Lancet Diabetes and Endocrinology,the, 2019, 7, 313-324.	11.4	566
4	Î±2-Heremans-Schmid Glycoprotein/ Fetuin-A Is Associated With Insulin Resistance and Fat Accumulation in the Liver in Humans. Diabetes Care, 2006, 29, 853-857.	8.6	440
5	The role of hepatokines in metabolism. Nature Reviews Endocrinology, 2013, 9, 144-152.	9.6	411
6	Causes, Characteristics, and Consequences of Metabolically Unhealthy Normal Weight in Humans. Cell Metabolism, 2017, 26, 292-300.	16.2	388
7	Brain Insulin Resistance at the Crossroads of Metabolic and Cognitive Disorders in Humans. Physiological Reviews, 2016, 96, 1169-1209.	28.8	384
8	Impact of Age on the Relationships of Brown Adipose Tissue With Sex and Adiposity in Humans. Diabetes, 2010, 59, 1789-1793.	0.6	349
9	An Accurate Risk Score Based on Anthropometric, Dietary, and Lifestyle Factors to Predict the Development of Type 2 Diabetes. Diabetes Care, 2007, 30, 510-515.	8.6	341
10	Plasma Fetuin-A Levels and the Risk of Type 2 Diabetes. Diabetes, 2008, 57, 2762-2767.	0.6	326
11	Empagliflozin as Add-On to Metformin in Patients With Type 2 Diabetes: A 24-Week, Randomized, Double-Blind, Placebo-Controlled Trial. Diabetes Care, 2014, 37, 1650-1659.	8.6	321
12	Empagliflozin as Add-on to Metformin Plus Sulfonylurea in Patients With Type 2 Diabetes. Diabetes Care, 2013, 36, 3396-3404.	8.6	319
13	Impact of Type 2 Diabetes Susceptibility Variants on Quantitative Glycemic Traits Reveals Mechanistic Heterogeneity. Diabetes, 2014, 63, 2158-2171.	0.6	297
14	Dissociation Between Fatty Liver and Insulin Resistance in Humans Carrying a Variant of the Patatin-Like Phospholipase 3 Gene. Diabetes, 2009, 58, 2616-2623.	0.6	291
15	Plasma Fetuin-A Levels and the Risk of Myocardial Infarction and Ischemic Stroke. Circulation, 2008, 118, 2555-2562.	1.6	277
16	Fetuin-A Induces Cytokine Expression and Suppresses Adiponectin Production. PLoS ONE, 2008, 3, e1765.	2.5	247
17	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. Scientific Reports, 2016, 6, 26745.	3.3	224
18	Metabolically healthy obesity: the low-hanging fruit in obesity treatment?. Lancet Diabetes and Endocrinology,the, 2018, 6, 249-258.	11.4	221

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19	Standardized assessment of whole body adipose tissue topography by MRI. Journal of Magnetic Resonance Imaging, 2005, 21, 455-462.	3.4	216
20	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.	4.0	212
21	Intramyocellular Lipids: Anthropometric Determinants and Relationships with Maximal Aerobic Capacity and Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1785-1791.	3.6	210
22	Cancer progression and tumor cell motility are associated with the FGFR4 Arg(388) allele. Cancer Research, 2002, 62, 840-7.	0.9	207
23	Impaired insulin action in the human brain: causes and metabolic consequences. Nature Reviews Endocrinology, 2015, 11, 701-711.	9.6	204
24	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. Nature Medicine, 2021, 27, 49-57.	30.7	203
25	The cerebrocortical response to hyperinsulinemia is reduced in overweight humans: A magnetoencephalographic study. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12103-12108.	7.1	196
26	Simultaneous extraction of metabolome and lipidome with methyl tert-butyl ether from a single small tissue sample for ultra-high performance liquid chromatography/mass spectrometry. Journal of Chromatography A, 2013, 1298, 9-16.	3.7	173
27	Phenotypes of prediabetes and stratification of cardiometabolic risk. Lancet Diabetes and Endocrinology,the, 2016, 4, 789-798.	11.4	164
28	The Metabolically Benign and Malignant Fatty Liver. Diabetes, 2011, 60, 2011-2017.	0.6	158
29	Polymorphisms within Novel Risk Loci for Type 2 Diabetes Determine Î²-Cell Function. PLoS ONE, 2007, 2, e832.	2.5	147
30	Hepatic lipid accumulation in healthy subjects: A comparative study using spectral fatâ€selective MRI and volumeâ€localized ¹Hâ€MR spectroscopy. Magnetic Resonance in Medicine, 2006, 55, 913-917.	3.0	146
31	Secretome profiling of primary human skeletal muscle cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1011-1017.	2.3	138
32	Palmitate-Induced Interleukin-6 Expression in Human Coronary Artery Endothelial Cells. Diabetes, 2004, 53, 3209-3216.	0.6	136
33	Insulin Modulates Food-Related Activity in the Central Nervous System. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 748-755.	3.6	135
34	Central Insulin Administration Improves Whole-Body Insulin Sensitivity via Hypothalamus and Parasympathetic Outputs in Men. Diabetes, 2014, 63, 4083-4088.	0.6	135
35	Protein Kinase C Î´ Activation and Translocation to the Nucleus Are Required for Fatty Acid-Induced Apoptosis of Insulin-Secreting Cells. Diabetes, 2003, 52, 991-997.	0.6	134
36	Circulating fetuin-A and free fatty acids interact to predict insulin resistance in humans. Nature Medicine, 2013, 19, 394-395.	30.7	134

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37	Saturated, but Not Unsaturated, Fatty Acids Induce Apoptosis of Human Coronary Artery Endothelial Cells via Nuclear Factor-Î¹B Activation. Diabetes, 2006, 55, 3121-3126.	0.6	130
38	Circulating Palmitoleate Strongly and Independently Predicts Insulin Sensitivity in Humans. Diabetes Care, 2010, 33, 405-407.	8.6	130
39	Selective Insulin Resistance in Homeostatic and Cognitive Control Brain Areas in Overweight and Obese Adults. Diabetes Care, 2015, 38, 1044-1050.	8.6	126
40	Central nervous pathways of insulin action in the control of metabolism and food intake. Lancet Diabetes and Endocrinology,the, 2020, 8, 524-534.	11.4	126
41	Use of Multiple Metabolic and Genetic Markers to Improve the Prediction of Type 2 Diabetes: the EPIC-Potsdam Study. Diabetes Care, 2009, 32, 2116-2119.	8.6	125
42	Insulin Promotes Glycogen Storage and Cell Proliferation in Primary Human Astrocytes. PLoS ONE, 2011, 6, e21594.	2.5	124
43	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.	3.6	123
44	Pathomechanisms of Type 2 Diabetes Genes. Endocrine Reviews, 2009, 30, 557-585.	20.1	115
45	Elevated hepatic DPP4 activity promotes insulin resistance and non-alcoholic fatty liver disease. Molecular Metabolism, 2017, 6, 1254-1263.	6.5	109
46	Protein Kinase C-Î¶-induced Phosphorylation of Ser318 in Insulin Receptor Substrate-1 (IRS-1) Attenuates the Interaction with the Insulin Receptor and the Tyrosine Phosphorylation of IRS-1. Journal of Biological Chemistry, 2004, 279, 25157-25163.	3.4	108
47	Specific white matter tissue microstructure changes associated with obesity. NeuroImage, 2016, 125, 36-44.	4.2	106
48	Polymorphisms within the Novel Type 2 Diabetes Risk Locus MTNR1B Determine Î²-Cell Function. PLoS ONE, 2008, 3, e3962.	2.5	106
49	Association of Type 2 Diabetes Candidate Polymorphisms in KCNQ1 With Incretin and Insulin Secretion. Diabetes, 2009, 58, 1715-1720.	0.6	105
50	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.	7.3	105
51	Cytokine response of primary human myotubes in an in vitro exercise model. American Journal of Physiology - Cell Physiology, 2013, 305, C877-C886.	4.6	105
52	Impact of Variation in the FTO Gene on Whole Body Fat Distribution, Ectopic Fat, and Weight Loss. Obesity, 2008, 16, 1969-1972.	3.0	102
53	Circulating Lysophosphatidylcholines Are Markers of a Metabolically Benign Nonalcoholic Fatty Liver. Diabetes Care, 2013, 36, 2331-2338.	8.6	100
54	Metabolic crosstalk between fatty pancreas and fatty liver: effects on local inflammation and insulin secretion. Diabetologia, 2017, 60, 2240-2251.	6.3	100

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55	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.	11.4	98
56	The CTRB1/2 Locus Affects Diabetes Susceptibility and Treatment via the Incretin Pathway. Diabetes, 2013, 62, 3275-3281.	0.6	96
57	Reduced cortical thickness associated with visceral fat and BMI. NeuroImage: Clinical, 2014, 6, 307-311.	2.7	96
58	Intranasal Insulin Modulates Intrinsic Reward and Prefrontal Circuitry of the Human Brain in Lean Women. Neuroendocrinology, 2013, 97, 176-182.	2.5	93
59	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.	0.6	87
60	Leptin downâ€regulates insulin action through phosphorylation of serineâ€318 in insulin receptor substrate 1. FASEB Journal, 2006, 20, 1206-1208.	0.5	84
61	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.	2.5	83
62	Brain insulin sensitivity is linked to adiposity and body fat distribution. Nature Communications, 2020, 11, 1841.	12.8	81
63	Cinnamon Extract Improves Insulin Sensitivity in the Brain and Lowers Liver Fat in Mouse Models of Obesity. PLoS ONE, 2014, 9, e92358.	2.5	80
64	The Brain Response to Peripheral Insulin Declines with Age: A Contribution of the Blood-Brain Barrier?. PLoS ONE, 2015, 10, e0126804.	2.5	80
65	Type 2 diabetes alters metabolic and transcriptional signatures of glucose and amino acid metabolism during exercise and recovery. Diabetologia, 2015, 58, 1845-1854.	6.3	79
66	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.	0.6	72
67	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.	3.6	71
68	Effects of Intranasal Insulin on Hepatic Fat Accumulation and Energy Metabolism in Humans. Diabetes, 2015, 64, 1966-1975.	0.6	70
69	Safety of intranasal human insulin: A review. Diabetes, Obesity and Metabolism, 2018, 20, 1563-1577.	4.4	70
70	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.	0.6	69
71	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.	0.6	67
72	Genome-wide analysis of PDX1 target genes in human pancreatic progenitors. Molecular Metabolism, 2018, 9, 57-68.	6.5	67

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73	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.	3.6	66
74	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.	4.4	66
75	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.	2.5	65
76	Exercise and diabetes: relevance and causes for response variability. Endocrine, 2016, 51, 390-401.	2.3	65
77	Reevaluation of Fatty Acid Receptor 1 as a Drug Target for the Stimulation of Insulin Secretion in Humans. Diabetes, 2013, 62, 2106-2111.	0.6	64
78	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.	2.5	63
79	Overexpression of Kinase-Negative Protein Kinase CÎ´ in Pancreatic Î²-Cells Protects Mice From Diet-Induced Glucose Intolerance and Î²-Cell Dysfunction. Diabetes, 2010, 59, 119-127.	0.6	62
80	New type 2 diabetes risk genes provide new insights in insulin secretion mechanisms. Diabetes Research and Clinical Practice, 2011, 93, S9-S24.	2.8	62
81	TGF-Î² Contributes to Impaired Exercise Response by Suppression of Mitochondrial Key Regulators in Skeletal Muscle. Diabetes, 2016, 65, 2849-2861.	0.6	62
82	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.	6.5	60
83	Insulin Receptor Isoforms A and B as well as Insulin Receptor Substrates-1 and -2 Are Differentially Expressed in Prostate Cancer. PLoS ONE, 2012, 7, e50953.	2.5	59
84	Point mutations in the PDX1 transactivation domain impair human Î²-cell development and function. Molecular Metabolism, 2019, 24, 80-97.	6.5	58
85	A high-risk phenotype associates with reduced improvement in glycaemia during a lifestyle intervention in prediabetes. Diabetologia, 2015, 58, 2877-2884.	6.3	56
86	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.	3.5	56
87	Interplay and Effects of Temporal Changes in the Phosphorylation State of Serine-302, -307, and -318 of Insulin Receptor Substrate-1 on Insulin Action in Skeletal Muscle Cells. Molecular Endocrinology, 2008, 22, 2729-2740.	3.7	54
88	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.	0.6	53
89	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.	3.4	53
90	The lipid profile of brown adipose tissue is sex-specific in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1563-1570.	2.4	52

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91	The Genetic Variant I148M inPNPLA3Is Associated With Increased Hepatic Retinyl-Palmitate Storage in Humans. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E1568-E1574.	3.6	52
92	Gestational Diabetes Impairs Human Fetal Postprandial Brain Activity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4029-4036.	3.6	52
93	What role do fat cells play in pancreatic tissue?. Molecular Metabolism, 2019, 25, 1-10.	6.5	52
94	Combined Risk Allele Score of Eight Type 2 Diabetes Genes Is Associated With Reduced First-Phase Glucose-Stimulated Insulin Secretion During Hyperglycemic Clamps. Diabetes, 2010, 59, 287-292.	0.6	51
95	Leptin Therapy in a Congenital Leptin-Deficient Patient Leads to Acute and Long-Term Changes in Homeostatic, Reward, and Food-Related Brain Areas. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1283-E1287.	3.6	51
96	Maternal insulin sensitivity is associated with oral glucose-induced changes in fetal brain activity. Diabetologia, 2014, 57, 1192-1198.	6.3	50
97	Cerebrocortical Beta Activity in Overweight Humans Responds to Insulin Detemir. PLoS ONE, 2007, 2, e1196.	2.5	49
98	Impact of Variation Near MC4R on Wholeâ€body Fat Distribution, Liver Fat, and Weight Loss. Obesity, 2009, 17, 1942-1945.	3.0	48
99	A computational biology approach of a genome-wide screen connected miRNAs to obesity and type 2 diabetes. Molecular Metabolism, 2018, 11, 145-159.	6.5	48
100	Insulin sensitivity of the human brain. Diabetes Research and Clinical Practice, 2011, 93, S47-S51.	2.8	47
101	Dose-Dependent Effects of Intranasal Insulin on Resting-State Brain Activity. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 253-262.	3.6	47
102	Metabolic Signatures of Cultured Human Adipocytes from Metabolically Healthy versus Unhealthy Obese Individuals. PLoS ONE, 2014, 9, e93148.	2.5	47
103	Metabolic implications of pancreatic fat accumulation. Nature Reviews Endocrinology, 2022, 18, 43-54.	9.6	46
104	Integrated enrichment analysis and pathway-centered visualization of metabolomics, proteomics, transcriptomics, and genomics data by using the InCroMAP software. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 966, 77-82.	2.3	44
105	Fetuin-A influences vascular cell growth and production of proinflammatory and angiogenic proteins by human perivascular fat cells. Diabetologia, 2014, 57, 1057-1066.	6.3	44
106	Variation in the obesity risk gene FTO determines the postprandial cerebral processing of food stimuli in the prefrontal cortex. Molecular Metabolism, 2014, 3, 109-113.	6.5	44
107	Glycemia Determines the Effect of Type 2 Diabetes Risk Genes on Insulin Secretion. Diabetes, 2010, 59, 3247-3252.	0.6	43
108	Novel phenotypes of prediabetes?. Diabetologia, 2016, 59, 1806-1818.	6.3	43

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109	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.	8.6	43
110	PNPLA3 variant I148M is associated with altered hepatic lipid composition in humans. Diabetologia, 2014, 57, 2103-2107.	6.3	41
111	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.	3.6	40
112	Inflammatory response of human coronary artery endothelial cells to saturated long-chain fatty acids. Microvascular Research, 2011, 81, 52-59.	2.5	40
113	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.	0.7	40
114	Soluble urokinase receptor (suPAR) predicts microalbuminuria in patients at risk for type 2 diabetes mellitus. Scientific Reports, 2017, 7, 40627.	3.3	40
115	Novel Meta-Analysis-Derived Type 2 Diabetes Risk Loci Do Not Determine Prediabetic Phenotypes. PLoS ONE, 2008, 3, e3019.	2.5	39
116	Extracorporeal light chain elimination: high cut-off (HCO) hemodialysis parallel to chemotherapy allows for a high proportion of renal recovery in multiple myeloma patients with dialysis-dependent acute kidney injury. Annals of Hematology, 2012, 91, 729-735.	1.8	39
117	Interaction between the obesity-risk gene FTO and the dopamine D2 receptor gene ANKK1/TaqIA on insulin sensitivity. Diabetologia, 2016, 59, 2622-2631.	6.3	39
118	Influence of common polymorphisms in the SLC5A2 gene on metabolic traits in subjects at increased risk of diabetes and on response to empagliflozin treatment in patients with diabetes. Pharmacogenetics and Genomics, 2017, 27, 135-142.	1.5	39
119	The Phosphorylation of Ser318 of Insulin Receptor Substrate 1 Is Not per se Inhibitory in Skeletal Muscle Cells but Is Necessary to Trigger the Attenuation of the Insulin-stimulated Signal. Journal of Biological Chemistry, 2005, 280, 37393-37399.	3.4	38
120	Lysophosphatidylcholines activate PPARÎ´ and protect human skeletal muscle cells from lipotoxicity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1980-1992.	2.4	38
121	Glucose-Raising Genetic Variants in MADD and ADCY5 Impair Conversion of Proinsulin to Insulin. PLoS ONE, 2011, 6, e23639.	2.5	38
122	Identification of Four Mouse Diabetes Candidate Genes Altering Î²-Cell Proliferation. PLoS Genetics, 2015, 11, e1005506.	3.5	37
123	Pancreatic Steatosis Associates With Impaired Insulin Secretion in Genetically Predisposed Individuals. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3518-3525.	3.6	37
124	Human Prostate Cancer Is Characterized by an Increase in Urea Cycle Metabolites. Cancers, 2020, 12, 1814.	3.7	37
125	Genetic variants inMTNR1Baffecting insulin secretion. Annals of Medicine, 2010, 42, 387-393.	3.8	36
126	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.	2.0	36

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127	SIRT1 genetic variants associate with the metabolic response of Caucasians to a controlled lifestyle intervention â€“ the TULIP Study. BMC Medical Genetics, 2008, 9, 100.	2.1	35
128	Phosphorylation of Ser357 of Rat Insulin Receptor Substrate-1 Mediates Adverse Effects of Protein Kinase C-Î´ on Insulin Action in Skeletal Muscle Cells. Journal of Biological Chemistry, 2008, 283, 11226-11233.	3.4	35
129	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.	0.6	35
130	Insulin Glulisine: Insulin Receptor Signaling Characteristics In Vivo. Diabetes, 2005, 54, 361-366.	0.6	34
131	Urinary Neutrophil Gelatinase-Associated Lipocalin Accurately Detects Acute Allograft Rejection Among Other Causes of Acute Kidney Injury in Renal Allograft Recipients. Transplantation, 2012, 93, 1252-1257.	1.0	34
132	Dissociation of Fatty Liver and Insulin Resistance in I148M PNPLA3 Carriers: Differences in Diacylglycerol (DAG) FA18:1 Lipid Species as a Possible Explanation. Nutrients, 2018, 10, 1314.	4.1	33
133	Dietary Fiber Intake Modulates the Association Between Variants in TCF7L2 and Weight Loss During a Lifestyle Intervention. Diabetes Care, 2012, 35, e24-e24.	8.6	32
134	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. Nature Communications, 2021, 12, 6486.	12.8	31
135	11Î²â€Hydroxysteroid Dehydrogenase 2 Activity Is Elevated in Severe Obesity and Negatively Associated With Insulin Sensitivity. Obesity, 2008, 16, 1256-1260.	3.0	30
136	Novel Obesity Risk Loci Do Not Determine Distribution of Body Fat Depots: A Wholeâ€body MRI/MRS study. Obesity, 2010, 18, 1212-1217.	3.0	30
137	Antihyperglycaemic therapies and cancer risk. Diabetes and Vascular Disease Research, 2014, 11, 371-389.	2.0	30
138	Fully Automated and Standardized Segmentation of Adipose Tissue Compartments via Deep Learning in 3D Whole-Body MRI of Epidemiologic Cohort Studies. Radiology: Artificial Intelligence, 2020, 2, e200010.	5.8	30
139	Long-Term Stabilization Effects of Leptin on Brain Functions in a Leptin-Deficient Patient. PLoS ONE, 2013, 8, e65893.	2.5	29
140	Polymorphism rs3123554 in CNR2 reveals genderâ€specific effects on body weight and affects loss of body weight and cerebral insulin action. Obesity, 2014, 22, 925-931.	3.0	29
141	Chronic d-serine supplementation impairs insulin secretion. Molecular Metabolism, 2018, 16, 191-202.	6.5	29
142	Cardiorespiratory fitness determines the reduction in blood pressure and insulin resistance during lifestyle intervention. Journal of Hypertension, 2011, 29, 1220-1227.	0.5	28
143	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.	6.5	28
144	Identification of an in vitro insulin receptor substrate-1 phosphorylation site by negative-ion Î¼LC/ES-API-CID-MS hybrid scan technique. Journal of the American Society for Mass Spectrometry, 2003, 14, 401-405.	2.8	27

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145	Shp2 Is Required for Protein Kinase C-dependent Phosphorylation of Serine 307 in Insulin Receptor Substrate-1. Journal of Biological Chemistry, 2005, 280, 32693-32699.	3.4	27
146	Bezafibrate ameliorates diabetes via reduced steatosis and improved hepatic insulin sensitivity in diabetic TallyHo mice. Molecular Metabolism, 2017, 6, 256-266.	6.5	27
147	Hypothalamic insulin responsiveness is associated with pancreatic insulin secretion in humans. Physiology and Behavior, 2017, 176, 134-138.	2.1	27
148	Association of Common Genetic Variants in the MAP4K4 Locus with Prediabetic Traits in Humans. PLoS ONE, 2012, 7, e47647.	2.5	27
149	Effect of genotype on success of lifestyle intervention in subjects at risk for type 2 diabetes. Journal of Molecular Medicine, 2007, 85, 107-117.	3.9	26
150	Identification of the Secreted Proteins Originated from Primary Human Hepatocytes and HepG2 Cells. Nutrients, 2019, 11, 1795.	4.1	26
151	Increased mitochondrial respiration of adipocytes from metabolically unhealthy obese compared to healthy obese individuals. Scientific Reports, 2020, 10, 12407.	3.3	26
152	Variants in the CD36 Gene Locus Determine Wholeâ€Body Adiposity, but Have No Independent Effect on Insulin Sensitivity. Obesity, 2011, 19, 1004-1009.	3.0	25
153	Dissociation of GLP-1 and insulin association with food processing in the brain: GLP-1 sensitivity despite insulin resistance in obese humans. Molecular Metabolism, 2015, 4, 971-976.	6.5	25
154	Neuronal Food Reward Activity in Patients With Type 2 Diabetes With Improved Glycemic Control After Bariatric Surgery. Diabetes Care, 2016, 39, 1311-1317.	8.6	25
155	Nonsuppressed Glucagon After Glucose Challenge as a Potential Predictor for Glucose Tolerance. Diabetes, 2017, 66, 1373-1379.	0.6	25
156	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.	6.3	24
157	Insulin Action in the Hypothalamus Increases Second-Phase Insulin Secretion in Humans. Neuroendocrinology, 2020, 110, 929-937.	2.5	23
158	Leptin Affects Insulin Action in Astrocytes and Impairs Insulin-mediated Physical Activity. Cellular Physiology and Biochemistry, 2012, 30, 238-246.	1.6	22
159	Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) and proteinuria predict severity of acute kidney injury in Puumala virus infection. BMC Infectious Diseases, 2015, 15, 464.	2.9	22
160	Impact of end-stage renal disease on glucose metabolismâ€"a matched cohort analysis. Nephrology Dialysis Transplantation, 2017, 32, 670-676.	0.7	22
161	Androgen receptor overexpression in prostate cancer in type 2 diabetes. Molecular Metabolism, 2018, 8, 158-166.	6.5	22
162	Interscapular Fat Is Strongly Associated with Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4736-4742.	3.6	21

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163	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.	3.9	21
164	Liver-targeting drugs and their effect on blood glucose and hepatic lipids. Diabetologia, 2021, 64, 1461-1479.	6.3	21
165	Genetic Variation in the 11Î²-hydroxysteroid-dehydrogenase 1 Gene Determines NAFLD and Visceral Obesity. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4743-4751.	3.6	20
166	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. Diabetes, 2019, 68, 502-514.	0.6	20
167	Ketoacidosis in a non-diabetic woman who was fasting during lactation. Nutrition Journal, 2015, 14, 117.	3.4	19
168	Point mutation of Ffar1 abrogates fatty acid-dependent insulin secretion, but protects against HFD-induced glucose intolerance. Molecular Metabolism, 2017, 6, 1304-1312.	6.5	19
169	Higher prevalence of lymph node metastasis in prostate cancer in patients with diabetes. Endocrine-Related Cancer, 2018, 25, L19-L22.	3.1	19
170	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.	3.6	18
171	cGMP-dependent protein kinase I (cGKI) modulates human hepatic stellate cell activation. Metabolism: Clinical and Experimental, 2018, 88, 22-30.	3.4	18
172	Nor-1, a novel incretin-responsive regulator of insulin genes and insulin secretion. Molecular Metabolism, 2013, 2, 243-255.	6.5	17
173	Clinical and non-targeted metabolomic profiling of homozygous carriers of Transcription Factor 7-like 2 variant rs7903146. Scientific Reports, 2014, 4, 5296.	3.3	17
174	Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. Scientific Reports, 2016, 6, 22218.	3.3	17
175	Granulocyte colony-stimulating factor (G-CSF): A saturated fatty acid-induced myokine with insulin-desensitizing properties in humans. Molecular Metabolism, 2016, 5, 305-316.	6.5	17
176	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.	4.1	17
177	Enforced expression of protein kinase C in skeletal muscle causes physical inactivity, fatty liver and insulin resistance in the brain. Journal of Cellular and Molecular Medicine, 2010, 14, 903-913.	3.6	16
178	Diabetes Mellitus and Prediabetes on Kidney Transplant Waiting List- Prevalence, Metabolic Phenotyping and Risk Stratification Approach. PLoS ONE, 2015, 10, e0134971.	2.5	16
179	Dynamics of Glucose Metabolism After Kidney Transplantation. Kidney and Blood Pressure Research, 2017, 42, 598-607.	2.0	16
180	Genetic determination of body fat distribution and the attributive influence on metabolism. Obesity, 2017, 25, 1277-1283.	3.0	15

#	Article	IF	Citations
181	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.	4.7	15
182	ALCAM a novel biomarker in patients with type 2 diabetes mellitus complicated with diabetic nephropathy. Journal of Diabetes and Its Complications, 2017, 31, 1058-1065.	2.3	14
183	Palmitate and insulin counteract glucose-induced thioredoxin interacting protein (TXNIP) expression in insulin secreting cells via distinct mechanisms. PLoS ONE, 2018, 13, e0198016.	2.5	14
184	Preadipocytes of obese humans display gender-specific bioenergetic responses to glucose and insulin. Molecular Metabolism, 2019, 20, 28-37.	6.5	14
185	Metabolomic Characteristics of Fatty Pancreas. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 804-810.	1.2	14
186	Sunitinib specifically augments glucose-induced insulin secretion. Cellular Signalling, 2017, 36, 91-97.	3.6	13
187	Prediction of Glucose Tolerance without an Oral Glucose Tolerance Test. Frontiers in Endocrinology, 2018, 9, 82.	3.5	13
188	Sex-Specific Associations of Testosterone With Metabolic Traits. Frontiers in Endocrinology, 2019, 10, 90.	3.5	13
189	Generation of a human induced pluripotent stem cell (iPSC) line from a patient carrying a P33T mutation in the PDX1 gene. Stem Cell Research, 2016, 17, 273-276.	0.7	12
190	Generation of a human induced pluripotent stem cell (iPSC) line from a patient with family history of diabetes carrying a C18R mutation in the PDX1 gene. Stem Cell Research, 2016, 17, 292-295.	0.7	12
191	DPP4 gene variation affects GLP-1 secretion, insulin secretion, and glucose tolerance in humans with high body adiposity. PLoS ONE, 2017, 12, e0181880.	2.5	12
192	Diagnostic Accuracy of a Novel Chromogenic Direct Thrombin Inhibitor Assay: Clinical Experiences for Dabigatran Monitoring. Thrombosis and Haemostasis, 2017, 117, 2369-2375.	3.4	11
193	Leptin Replacement Reestablishes Brain Insulin Action in the Hypothalamus in Congenital Leptin Deficiency. Diabetes Care, 2018, 41, 907-910.	8.6	11
194	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.	2.8	11
195	The Medically Complex Living Kidney Donor: Glucose Metabolism as Principal Cause of Donor Declination. Annals of Transplantation, 2016, 21, 39-45.	0.9	11
196	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. Molecular Metabolism, 2021, 54, 101359.	6.5	11
197	Peroxisome proliferator-activated receptor gamma (PPARG) modulates free fatty acid receptor 1 (FFAR1) dependent insulin secretion in humans. Molecular Metabolism, 2014, 3, 676-680.	6.5	10
198	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.	3.6	10

#	Article	IF	Citations
199	Lack of GÎ±i2 proteins in adipocytes attenuates diet-induced obesity. Molecular Metabolism, 2020, 40, 101029.	6.5	10
200	Pancreatic fat cells of humans with type 2 diabetes display reduced adipogenic and lipolytic activity. American Journal of Physiology - Cell Physiology, 2021, 320, C1000-C1012.	4.6	10
201	Detection of diabetes from whole-body MRI using deep learning. JCI Insight, 2021, 6, .	5.0	10
202	Incretin Hypersecretion in Gestational Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e2425-e2430.	3.6	10
203	TGF-Î² Induction of miR-143/145 Is Associated to Exercise Response by Influencing Differentiation and Insulin Signaling Molecules in Human Skeletal Muscle. Cells, 2021, 10, 3443.	4.1	10
204	Urinary free cortisone, but not cortisol, is associated with urine volume in severe obesity. Steroids, 2009, 74, 742-745.	1.8	9
205	Mechanisms Explaining the Relationship Between Metabolically Healthy Obesity andÂCardiovascular Risk. Journal of the American College of Cardiology, 2014, 63, 2748-2749.	2.8	9
206	A Vitamin E-Enriched Antioxidant Diet Interferes with the Acute Adaptation of the Liver to Physical Exercise in Mice. Nutrients, 2018, 10, 547.	4.1	9
207	Integrative network analysis highlights biological processes underlying GLP-1 stimulated insulin secretion: A DIRECT study. PLoS ONE, 2018, 13, e0189886.	2.5	9
208	Polymorphism rs11085226 in the Gene Encoding Polypyrimidine Tract-Binding Protein 1 Negatively Affects Glucose-Stimulated Insulin Secretion. PLoS ONE, 2012, 7, e46154.	2.5	8
209	The genetic influence on body fat distribution. Drug Discovery Today Disease Mechanisms, 2013, 10, e5-e13.	0.8	8
210	Glucose Measurements at Various Time Points During the OGTT and Their Role in Capturing Glucose Response Patterns. Diabetes Care, 2019, 42, e56-e57.	8.6	8
211	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.	3.6	8
212	Sustained Treatment with Insulin Detemir in Mice Alters Brain Activity and Locomotion. PLoS ONE, 2016, 11, e0162124.	2.5	7
213	Nasal insulin administration does not affect hepatic glucose production at systemic fasting insulin levels. Diabetes, Obesity and Metabolism, 2019, 21, 993-1000.	4.4	7
214	Ectopic fat accumulation in human astrocytes impairs insulin action. Royal Society Open Science, 2020, 7, 200701.	2.4	7
215	Lower Plasma Creatinine and Urine Albumin in Individuals at Increased Risk of Type 2 Diabetes with Factor V Leiden Mutation. Isrn Endocrinology, 2014, 2014, 1-3.	2.0	6
216	<i>FTO</i> Genotype Interacts with Improvement in Aerobic Fitness on Body Weight Loss During Lifestyle Intervention. Obesity Facts, 2016, 9, 174-181.	3.4	6

#	Article	IF	Citations
217	Excessive fuel availability amplifies the FTO-mediated obesity risk: results from the TUEF and Whitehall II studies. Scientific Reports, 2017, 7, 15486.	3.3	5
218	Gene x Gene Interactions Highlight the Role of Incretin Resistance for Insulin Secretion. Frontiers in Endocrinology, 2019, 10, 72.	3.5	5
219	Increased Expressions of Matrix Metalloproteinases (MMPs) in Prostate Cancer Tissues of Men with Type 2 Diabetes. Biomedicines, 2020, 8, 507.	3.2	5
220	Transcript Levels of Aldo-Keto Reductase Family 1 Subfamily C (AKR1C) Are Increased in Prostate Tissue of Patients with Type 2 Diabetes. Journal of Personalized Medicine, 2020, 10, 124.	2.5	5
221	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design. BMJ Open, 2022, 12, e058268.	1.9	5
222	Common Genetic Variation in the Human CTF1 Locus, Encoding Cardiotrophin-1, Determines Insulin Sensitivity. PLoS ONE, 2014, 9, e100391.	2.5	4
223	Characterization of Hormone-Dependent Pathways in Six Human Prostate-Cancer Cell Lines: A Gene-Expression Study. Genes, 2020, 11, 1174.	2.4	4
224	Correlates of venous catecholamine concentrations in patients with type 1 diabetes during a cold pressor test. Clinical Autonomic Research, 2000, 10, 131-137.	2.5	3
225	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.	3.3	3
226	Unusual high blood glucose in ketoacidosis as first presentation of type 1 diabetes mellitus. Endocrinology, Diabetes and Metabolism Case Reports, 2018, 2018, .	0.5	3
227	Determinants of hepatic insulin clearance â€“ Results from a Mendelian Randomization study. Metabolism: Clinical and Experimental, 2021, 119, 154776.	3.4	2
228	Fatty liver and HDL-cholesterol: just a matter of quantity?. Future Lipidology, 2008, 3, 225-227.	0.5	1
229	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.	8.6	1
230	Generation of a human induced pluripotent stem cell line (HMGUi002-A) from a healthy male individual. Stem Cell Research, 2019, 39, 101531.	0.7	1
231	Postprandial Dynamics of Proglucagon Cleavage Products and Their Relation to Metabolic Health. Frontiers in Endocrinology, 0, 13, .	3.5	0