

# Hannele Yki-Jrvinen

## List of Publications by Citations

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223  
papers

22,262  
citations

80  
h-index

146  
g-index

235  
ext. papers

26,323  
ext. citations

8.3  
avg, IF

7.19  
L-index

#	Paper	IF	Citations
223	Thiazolidinediones. <i>New England Journal of Medicine</i> , <b>2004</b> , 351, 1106-18	59.2	1697
222	Fat accumulation in the liver is associated with defects in insulin suppression of glucose production and serum free fatty acids independent of obesity in normal men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 3023-8	5.6	791
221	A new definition for metabolic dysfunction-associated fatty liver disease: An international expert consensus statement. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 202-209	13.4	764
220	MAFLD: A Consensus-Driven Proposed Nomenclature for Metabolic Associated Fatty Liver Disease. <i>Gastroenterology</i> , <b>2020</b> , 158, 1999-2014.e1	13.3	748
219	Non-alcoholic fatty liver disease as a cause and a consequence of metabolic syndrome. <i>Lancet Diabetes and Endocrinology</i> , <b>2014</b> , 2, 901-10	18.1	634
218	Fatty liver: a novel component of the metabolic syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 27-38	9.4	626
217	Impaired glucose tolerance as a disorder of insulin action. Longitudinal and cross-sectional studies in Pima Indians. <i>New England Journal of Medicine</i> , <b>1988</b> , 318, 1217-25	59.2	490
216	Prediction of non-alcoholic fatty liver disease and liver fat using metabolic and genetic factors. <i>Gastroenterology</i> , <b>2009</b> , 137, 865-72	13.3	469
215	Insulin regulates the serum levels of low molecular weight insulin-like growth factor-binding protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1988</b> , 66, 266-72	5.6	454
214	Effects of rosiglitazone and metformin on liver fat content, hepatic insulin resistance, insulin clearance, and gene expression in adipose tissue in patients with type 2 diabetes. <i>Diabetes</i> , <b>2004</b> , 53, 2169-76	0.9	434
213	Comparison of basal insulin added to oral agents versus twice-daily premixed insulin as initial insulin therapy for type 2 diabetes. <i>Diabetes Care</i> , <b>2005</b> , 28, 254-9	14.6	362
212	From the metabolic syndrome to NAFLD or vice versa?. <i>Digestive and Liver Disease</i> , <b>2010</b> , 42, 320-30	3.3	341
211	One-year treatment with exenatide improves beta-cell function, compared with insulin glargine, in metformin-treated type 2 diabetic patients: a randomized, controlled trial. <i>Diabetes Care</i> , <b>2009</b> , 32, 762-8	14.6	327
210	Liver fat in the metabolic syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3490-7	5.6	323
209	Acquired obesity is associated with changes in the serum lipidomic profile independent of genetic effects--a monozygotic twin study. <i>PLoS ONE</i> , <b>2007</b> , 2, e218	3.7	306
208	Natural course of insulin resistance in type I diabetes. <i>New England Journal of Medicine</i> , <b>1986</b> , 315, 224-30	59.2	287
207	Comparison of insulin regimens in patients with non-insulin-dependent diabetes mellitus. <i>New England Journal of Medicine</i> , <b>1992</b> , 327, 1426-33	59.2	286

206	Dietary fat content modifies liver fat in overweight nondiabetic subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 2804-9	5.6	280
205	FGF-21 as a biomarker for muscle-manifesting mitochondrial respiratory chain deficiencies: a diagnostic study. <i>Lancet Neurology</i> , <b>2011</b> , 10, 806-18	24.1	274
204	Glucose toxicity. <i>Endocrine Reviews</i> , <b>1992</b> , 13, 415-31	27.2	262
203	Increased liver fat, impaired insulin clearance, and hepatic and adipose tissue insulin resistance in type 2 diabetes. <i>Gastroenterology</i> , <b>2008</b> , 135, 122-30	13.3	253
202	Hepatic ceramides dissociate steatosis and insulin resistance in patients with non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , <b>2016</b> , 64, 1167-1175	13.4	252
201	Genes involved in fatty acid partitioning and binding, lipolysis, monocyte/macrophage recruitment, and inflammation are overexpressed in the human fatty liver of insulin-resistant subjects. <i>Diabetes</i> , <b>2007</b> , 56, 2759-65	0.9	248
200	Adipose tissue inflammation and increased ceramide content characterize subjects with high liver fat content independent of obesity. <i>Diabetes</i> , <b>2007</b> , 56, 1960-8	0.9	240
199	Effects of identical weight loss on body composition and features of insulin resistance in obese women with high and low liver fat content. <i>Diabetes</i> , <b>2003</b> , 52, 701-7	0.9	222
198	Global transcript profiles of fat in monozygotic twins discordant for BMI: pathways behind acquired obesity. <i>PLoS Medicine</i> , <b>2008</b> , 5, e51	11.6	218
197	New insulin glargine 300 units/mL versus glargine 100 units/mL in people with type 2 diabetes using oral agents and basal insulin: glucose control and hypoglycemia in a 6-month randomized controlled trial (EDITION 2). <i>Diabetes Care</i> , <b>2014</b> , 37, 3235-43	14.6	210
196	Fat in the liver and insulin resistance. <i>Annals of Medicine</i> , <b>2005</b> , 37, 347-56	1.5	202
195	Effects of exenatide on measures of $\beta$ cell function after 3 years in metformin-treated patients with type 2 diabetes. <i>Diabetes Care</i> , <b>2011</b> , 34, 2041-7	14.6	194
194	Overexpression of 11 $\beta$ -hydroxysteroid dehydrogenase-1 in adipose tissue is associated with acquired obesity and features of insulin resistance: studies in young adult monozygotic twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 4414-21	5.6	189
193	Impaired responsiveness to NO in newly diagnosed patients with rheumatoid arthritis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1637-41	9.4	177
192	Hepatic stearoyl-CoA desaturase (SCD)-1 activity and diacylglycerol but not ceramide concentrations are increased in the nonalcoholic human fatty liver. <i>Diabetes</i> , <b>2009</b> , 58, 203-8	0.9	175
191	Independent influence of age on basal insulin secretion in nondiabetic humans. European Group for the Study of Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 863-8	5.6	175
190	Dose-response characteristics for suppression of low molecular weight plasma insulin-like growth factor-binding protein by insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1989</b> , 68, 135-40	5.6	170
189	Association of lipidome remodeling in the adipocyte membrane with acquired obesity in humans. <i>PLoS Biology</i> , <b>2011</b> , 9, e1000623	9.7	169

188	Fatty acid metabolism in adipose tissue, muscle and liver in health and disease. <i>Essays in Biochemistry</i> , <b>2006</b> , 42, 89-103	7.6	167
187	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. <i>Diabetes Care</i> , <b>2018</b> , 41, 1732-1739	14.6	167
186	Pathogenesis of non-insulin-dependent diabetes mellitus. <i>Lancet, The</i> , <b>1994</b> , 343, 91-5	40	160
185	Effect of liver fat on insulin clearance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E1709-15	6	159
184	Liver fat is increased in type 2 diabetic patients and underestimated by serum alanine aminotransferase compared with equally obese nondiabetic subjects. <i>Diabetes Care</i> , <b>2008</b> , 31, 165-9	14.6	156
183	Body fat distribution and cortisol metabolism in healthy men: enhanced 5beta-reductase and lower cortisol/cortisone metabolite ratios in men with fatty liver. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 4924-31	5.6	149
182	Effect of short-term carbohydrate overfeeding and long-term weight loss on liver fat in overweight humans. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 96, 727-34	7	145
181	Increased fat accumulation in the liver in HIV-infected patients with antiretroviral therapy-associated lipodystrophy. <i>Aids</i> , <b>2002</b> , 16, 2183-93	3.5	139
180	Intense physical training decreases circulating antioxidants and endothelium-dependent vasodilatation in vivo. <i>Atherosclerosis</i> , <b>1999</b> , 145, 341-9	3.1	139
179	Congruence between NOTCH3 mutations and GOM in 131 CADASIL patients. <i>Brain</i> , <b>2009</b> , 132, 933-9	11.2	137
178	Intra-adipose sex steroid metabolism and body fat distribution in idiopathic human obesity. <i>Clinical Endocrinology</i> , <b>2007</b> , 66, 440-6	3.4	134
177	Sex and insulin sensitivity. <i>Metabolism: Clinical and Experimental</i> , <b>1984</b> , 33, 1011-5	12.7	133
176	Altered miRNA processing disrupts brown/white adipocyte determination and associates with lipodystrophy. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3339-51	15.9	128
175	Initiate Insulin by Aggressive Titration and Education (INITIATE): a randomized study to compare initiation of insulin combination therapy in type 2 diabetic patients individually and in groups. <i>Diabetes Care</i> , <b>2007</b> , 30, 1364-9	14.6	119
174	Negative binomial meta-regression analysis of combined glycosylated hemoglobin and hypoglycemia outcomes across eleven Phase III and IV studies of insulin glargine compared with neutral protamine Hagedorn insulin in type 1 and type 2 diabetes mellitus. <i>Clinical Therapeutics</i> , <b>2007</b> , 29, 1607-19	3.5	119
173	Liver-fat accumulation and insulin resistance in obese women with previous gestational diabetes. <i>Obesity</i> , <b>2002</b> , 10, 859-67		119
172	Continuous subcutaneous insulin infusion therapy decreases insulin resistance in type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1984</b> , 58, 659-66	5.6	113
171	Genome-wide association study of non-alcoholic fatty liver and steatohepatitis in a histologically characterised cohort. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 505-515	13.4	113

170	The PROactive study: some answers, many questions. <i>Lancet, The</i> , <b>2005</b> , 366, 1241-2	40	112
169	Effects of adding linagliptin to basal insulin regimen for inadequately controlled type 2 diabetes: a 52-week randomized, double-blind study. <i>Diabetes Care</i> , <b>2013</b> , 36, 3875-81	14.6	111
168	Exenatide affects circulating cardiovascular risk biomarkers independently of changes in body composition. <i>Diabetes Care</i> , <b>2010</b> , 33, 1734-7	14.6	110
167	Inhibition of platelet-collagen interaction: an in vivo action of insulin abolished by insulin resistance in obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 167-72	9.4	107
166	Ethanol decreases glucose utilization in healthy man. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1985</b> , 61, 941-5	5.6	107
165	Rosiglitazone in the Treatment of Haart-Associated Lipodystrophy [A Randomized Double-Blind Placebo-Controlled Study. <i>Antiviral Therapy</i> , <b>2003</b> , 8, 199-207	1.6	106
164	Genetic variation in PNPLA3 (adiponutrin) confers sensitivity to weight loss-induced decrease in liver fat in humans. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 94, 104-11	7	104
163	Genetic factors contribute to variation in serum alanine aminotransferase activity independent of obesity and alcohol: a study in monozygotic and dizygotic twins. <i>Journal of Hepatology</i> , <b>2009</b> , 50, 1035-42	13.4	103
162	The MBOAT7 variant rs641738 alters hepatic phosphatidylinositols and increases severity of non-alcoholic fatty liver disease in humans. <i>Journal of Hepatology</i> , <b>2016</b> , 65, 1263-1265	13.4	102
161	Cholesterol synthesis is increased and absorption decreased in non-alcoholic fatty liver disease independent of obesity. <i>Journal of Hepatology</i> , <b>2011</b> , 54, 153-9	13.4	101
160	One-year treatment with exenatide vs. insulin glargine: effects on postprandial glycemia, lipid profiles, and oxidative stress. <i>Atherosclerosis</i> , <b>2010</b> , 212, 223-9	3.1	101
159	Prediction of non-alcoholic fatty-liver disease and liver fat content by serum molecular lipids. <i>Diabetologia</i> , <b>2013</b> , 56, 2266-74	10.3	100
158	Nutritional Modulation of Non-Alcoholic Fatty Liver Disease and Insulin Resistance. <i>Nutrients</i> , <b>2015</b> , 7, 9127-38	6.7	100
157	Prolonged exercise increases serum insulin-like growth factor-binding protein concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1989</b> , 68, 141-4	5.6	99
156	Insulin and glucosamine infusions increase O-linked N-acetyl-glucosamine in skeletal muscle proteins in vivo. <i>Metabolism: Clinical and Experimental</i> , <b>1998</b> , 47, 449-55	12.7	97
155	Severity, duration, and mechanisms of insulin resistance during acute infections. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1989</b> , 69, 317-23	5.6	97
154	Free fatty acid kinetics and oxidation in congestive heart failure. <i>American Journal of Cardiology</i> , <b>1998</b> , 81, 45-50	3	94
153	Quantitative PCR provides a simple and accessible method for quantitative microbiota profiling. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227285	3.7	93

152	Effect of free fatty acids on glucose uptake and nonoxidative glycolysis across human forearm tissues in the basal state and during insulin stimulation. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1991</b> , 72, 1268-77	5.6	91
151	A population-based study on the prevalence of NASH using scores validated against liver histology. <i>Journal of Hepatology</i> , <b>2014</b> , 60, 839-46	13.4	89
150	Expression of adipogenic transcription factors, peroxisome proliferator-activated receptor gamma co-activator 1, IL-6 and CD45 in subcutaneous adipose tissue in lipodystrophy associated with highly active antiretroviral therapy. <i>Aids</i> , <b>2003</b> , 17, 1753-62	3.5	88
149	The contribution of visceral adipose tissue to splanchnic cortisol production in healthy humans. <i>Diabetes</i> , <b>2005</b> , 54, 1364-70	0.9	85
148	Circulating triacylglycerol signatures and insulin sensitivity in NAFLD associated with the E167K variant in TM6SF2. <i>Journal of Hepatology</i> , <b>2015</b> , 62, 657-63	13.4	84
147	PNPLA3 mediates hepatocyte triacylglycerol remodeling. <i>Journal of Lipid Research</i> , <b>2014</b> , 55, 739-46	6.3	84
146	Liver fat in the pathogenesis of insulin resistance and type 2 diabetes. <i>Digestive Diseases</i> , <b>2010</b> , 28, 203-9.	3.2	83
145	Circulating concentration of adiponectin and its expression in subcutaneous adipose tissue in patients with highly active antiretroviral therapy-associated lipodystrophy. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 1907-10	5.6	83
144	Noninvasive Detection of Nonalcoholic Steatohepatitis Using Clinical Markers and Circulating Levels of Lipids and Metabolites. <i>Clinical Gastroenterology and Hepatology</i> , <b>2016</b> , 14, 1463-1472.e6	6.9	82
143	Insulin sensitivity in newly diagnosed type 1 diabetics after ketoacidosis and after three months of insulin therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1984</b> , 59, 371-8	5.6	80
142	Definitions of Normal Liver Fat and the Association of Insulin Sensitivity with Acquired and Genetic NAFLD-A Systematic Review. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	80
141	PNPLA3 is regulated by glucose in human hepatocytes, and its I148M mutant slows down triglyceride hydrolysis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E1063-9	6	71
140	Impaired hepatic lipid synthesis from polyunsaturated fatty acids in TM6SF2 E167K variant carriers with NAFLD. <i>Journal of Hepatology</i> , <b>2017</b> , 67, 128-136	13.4	70
139	Genome-scale study reveals reduced metabolic adaptability in patients with non-alcoholic fatty liver disease. <i>Nature Communications</i> , <b>2016</b> , 7, 8994	17.4	70
138	Increased coagulation factor VIII, IX, XI and XII activities in non-alcoholic fatty liver disease. <i>Liver International</i> , <b>2011</b> , 31, 176-83	7.9	67
137	Effects of equal weight loss with orlistat and placebo on body fat and serum fatty acid composition and insulin resistance in obese women. <i>American Journal of Clinical Nutrition</i> , <b>2004</b> , 79, 22-30	7	66
136	Liver fat and lipid oxidation in humans. <i>Liver International</i> , <b>2009</b> , 29, 1439-46	7.9	65
135	Effects of chronic rosiglitazone therapy on gene expression in human adipose tissue in vivo in patients with type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 720-4	5.6	65

134	Zidovudine/lamivudine contributes to insulin resistance within 3 months of starting combination antiretroviral therapy. <i>Aids</i> , <b>2008</b> , 22, 227-36	3.5	63
133	Regulation of plasma PAI-1 concentrations in HAART-associated lipodystrophy during rosiglitazone therapy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 688-94	9.4	63
132	Genetic variation in the ADIPOR2 gene is associated with liver fat content and its surrogate markers in three independent cohorts. <i>European Journal of Endocrinology</i> , <b>2009</b> , 160, 593-602	6.5	62
131	Postprandial lipemia associates with liver fat content. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3052-9	5.6	62
130	Lowering of LDL cholesterol rather than moderate weight loss improves endothelium-dependent vasodilatation in obese women with previous gestational diabetes. <i>Diabetes Care</i> , <b>2003</b> , 26, 1667-72	14.6	62
129	3.5 years of insulin therapy with insulin glargine improves in vivo endothelial function in type 2 diabetes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 325-30	9.4	60
128	Regulation of Angiopoietin-Like Proteins (ANGPTLs) 3 and 8 by Insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, E1299-307	5.6	58
127	Acquired obesity increases CD68 and tumor necrosis factor-alpha and decreases adiponectin gene expression in adipose tissue: a study in monozygotic twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 2776-81	5.6	58
126	Better glycaemic control and less hypoglycaemia with insulin glargine 300 U/mL vs glargine 100 U/mL: 1-year patient-level meta-analysis of the EDITION clinical studies in people with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 541-548	6.7	56
125	Use of genome-wide expression data to mine the "Gray Zone" of GWA studies leads to novel candidate obesity genes. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000976	6	56
124	Long-term effects of fenofibrate on carotid intima-media thickness and augmentation index in subjects with type 2 diabetes mellitus. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 52, 2190-7	15.1	55
123	Insulin-like growth factor binding protein 1 as a novel specific marker of hepatic insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 4867-72	5.6	54
122	Effect of a ketogenic diet on hepatic steatosis and hepatic mitochondrial metabolism in nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7347-7354	11.5	52
121	Splanchnic balance of free fatty acids, endocannabinoids, and lipids in subjects with nonalcoholic fatty liver disease. <i>Gastroenterology</i> , <b>2010</b> , 139, 1961-1971.e1	13.3	52
120	Nutritional modulation of nonalcoholic fatty liver disease and insulin resistance: human data. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2010</b> , 13, 709-14	3.8	52
119	The effect of insulin and FFA on myocardial glucose uptake. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1995</b> , 27, 1359-67	5.8	52
118	Diagnosis of non-alcoholic fatty liver disease (NAFLD). <i>Diabetologia</i> , <b>2016</b> , 59, 1104-11	10.3	52
117	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. <i>Diabetologia</i> , <b>2017</b> , 60, 1873-1882	10.3	51

116	Resistance to acute insulin induced decreases in large artery stiffness accompanies the insulin resistance syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 5262-8	5.6	51
115	Circulating triacylglycerol signatures in nonalcoholic fatty liver disease associated with the I148M variant in PNPLA3 and with obesity. <i>Diabetes</i> , <b>2014</b> , 63, 312-22	0.9	49
114	Insulin resistance and endothelial dysfunction. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 17, 411-30	6.5	49
113	Ketone body production is differentially altered in steatosis and non-alcoholic steatohepatitis in obese humans. <i>Liver International</i> , <b>2015</b> , 35, 1853-61	7.9	48
112	Site of insulin resistance in type 1 diabetes: insulin-mediated glucose disposal in vivo in relation to insulin binding and action in adipocytes in vitro. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1984</b> , 59, 1183-92	5.6	48
111	Human PNPLA3-I148M variant increases hepatic retention of polyunsaturated fatty acids. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	48
110	Thiazolidinediones and the liver in humans. <i>Current Opinion in Lipidology</i> , <b>2009</b> , 20, 477-83	4.4	47
109	Clinical benefits and mechanisms of a sustained response to intermittent insulin therapy in type 2 diabetic patients with secondary drug failure. <i>American Journal of Medicine</i> , <b>1988</b> , 84, 185-92	2.4	46
108	Uridine supplementation for the treatment of antiretroviral therapy-associated lipoatrophy: a randomized, double-blind, placebo-controlled trial. <i>Antiviral Therapy</i> , <b>2007</b> , 12, 97-105	1.6	45
107	Gene polymorphisms of cellular senescence marker p21 and disease progression in non-alcohol-related fatty liver disease. <i>Cell Cycle</i> , <b>2014</b> , 13, 1489-94	4.7	44
106	Regulation of plasma lactate concentration in resting human subjects. <i>Metabolism: Clinical and Experimental</i> , <b>1990</b> , 39, 859-64	12.7	44
105	Nonalcoholic fatty liver disease: detection of elevated nicotinamide adenine dinucleotide phosphate with in vivo 3.0-T 31P MR spectroscopy with proton decoupling. <i>Radiology</i> , <b>2010</b> , 256, 466-73 <sup>20.5</sup>		42
104	Rosiglitazone reduces liver fat and insulin requirements and improves hepatic insulin sensitivity and glycemic control in patients with type 2 diabetes requiring high insulin doses. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 118-24	5.6	42
103	Insulin-induced decreases in aortic wave reflection and central systolic pressure are impaired in type 2 diabetes. <i>Diabetes Care</i> , <b>2002</b> , 25, 2314-9	14.6	42
102	Insulin resistance is a prominent feature of patients with pancreatogenic diabetes. <i>Metabolism: Clinical and Experimental</i> , <b>1986</b> , 35, 718-27	12.7	42
101	Genetic variation in PNPLA3 but not APOC3 influences liver fat in non-alcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2012</b> , 27, 951-6	4	41
100	Insulin increases the release of endothelin in endothelial cell cultures in vitro but not in vivo. <i>Metabolism: Clinical and Experimental</i> , <b>1994</b> , 43, 878-82	12.7	41
99	Insulin resistance, arterial stiffness and wave reflection. <i>Advances in Cardiology</i> , <b>2007</b> , 44, 252-260		40



98	Efficacy and Safety of Flexible Versus Fixed Dosing Intervals of Insulin Glargine 300 U/mL in People with Type 2 Diabetes. <i>Diabetes Technology and Therapeutics</i> , <b>2016</b> , 18, 252-7	8.1	39
97	LPIAT1/MBOAT7 depletion increases triglyceride synthesis fueled by high phosphatidylinositol turnover. <i>Gut</i> , <b>2021</b> , 70, 180-193	19.2	39
96	The effect of exogenous hyperinsulinemia on proinsulin secretion in normal man, obese subjects, and patients with insulinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1986</b> , 63, 1117-20	5.6	38
95	Liver fat content and hepatic insulin sensitivity in overweight patients with type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 607-16	5.6	35
94	Endothelial dysfunction in human diabetes. <i>Current Diabetes Reports</i> , <b>2002</b> , 2, 26-36	5.6	34
93	Novel hepatic microRNAs upregulated in human nonalcoholic fatty liver disease. <i>Physiological Reports</i> , <b>2016</b> , 4, e12661	2.6	33
92	Resistance to exercise-induced increase in glucose uptake during hyperinsulinemia in insulin-resistant skeletal muscle of patients with type 1 diabetes. <i>Diabetes</i> , <b>2001</b> , 50, 1371-7	0.9	33
91	Hydroxysteroid 17- $\beta$ -dehydrogenase 13 variant increases phospholipids and protects against fibrosis in nonalcoholic fatty liver disease. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	33
90	Metabolomes of mitochondrial diseases and inclusion body myositis patients: treatment targets and biomarkers. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	33
89	Management of type 2 diabetes mellitus and cardiovascular risk: lessons from intervention trials. <i>Drugs</i> , <b>2000</b> , 60, 975-83	12.1	32
88	No Evidence for Short-Term Regulation of Plasminogen Activator Inhibitor Activity by Insulin in Man. <i>Thrombosis and Haemostasis</i> , <b>1992</b> , 67, 117-120	7	32
87	Combination therapy with insulin and oral agents: optimizing glycemic control in patients with type 2 diabetes mellitus. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2002</b> , 18 Suppl 3, S77-81	7.5	31
86	Regulation of hexokinase II expression in human skeletal muscle in vivo. <i>Metabolism: Clinical and Experimental</i> , <b>2000</b> , 49, 814-8	12.7	30
85	Insulin- and exercise-stimulated skeletal muscle blood flow and glucose uptake in obese men. <i>Obesity</i> , <b>2003</b> , 11, 257-65		29
84	Smoking and insulin sensitivity in type I diabetic patients. <i>Metabolism: Clinical and Experimental</i> , <b>1986</b> , 35, 874-7	12.7	29
83	17 $\beta$ Estradiol and estradiol fatty acyl esters and estrogen-converting enzyme expression in adipose tissue in obese men and women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 4923-31	5.6	28
82	The European NAFLD Registry: A real-world longitudinal cohort study of nonalcoholic fatty liver disease. <i>Contemporary Clinical Trials</i> , <b>2020</b> , 98, 106175	2.3	28
81	The influence of sample collection methodology and sample preprocessing on the blood metabolic profile. <i>Bioanalysis</i> , <b>2015</b> , 7, 991-1006	2.1	26

80	Metformin prevents weight gain by reducing dietary intake during insulin therapy in patients with type 2 diabetes mellitus. <i>Drugs</i> , <b>1999</b> , 58 Suppl 1, 53-4; discussion 75-82	12.1	26
79	Arterial Stiffness in HIV-Infected Patients Receiving Highly Active Antiretroviral Therapy. <i>Antiviral Therapy</i> , <b>2005</b> , 10, 925-935	1.6	26
78	Continuous Grading of Early Fibrosis in NAFLD Using Label-Free Imaging: A Proof-of-Concept Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147804	3.7	24
77	rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. <i>Journal of Hepatology</i> , <b>2021</b> , 74, 20-30	13.4	24
76	Effects of dietary interventions on liver volume in humans. <i>Obesity</i> , <b>2014</b> , 22, 989-95	8	23
75	Ectopic fat accumulation: an important cause of insulin resistance in humans. <i>Journal of the Royal Society of Medicine</i> , <b>2002</b> , 95 Suppl 42, 39-45	2.3	23
74	Exome-Wide Association Study on Alanine Aminotransferase Identifies Sequence Variants in the GPAM and APOE Associated With Fatty Liver Disease. <i>Gastroenterology</i> , <b>2021</b> , 160, 1634-1646.e7	13.3	23
73	Estimation of blood flow heterogeneity distribution in human skeletal muscle from positron emission tomography data. <i>Annals of Biomedical Engineering</i> , <b>1997</b> , 25, 906-10	4.7	22
72	MicroRNA-192* impairs adipocyte triglyceride storage. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2016</b> , 1861, 342-51	5	20
71	Dietary carbohydrates and fats in nonalcoholic fatty liver disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2021</b> , 18, 770-786	24.2	19
70	Diagnostic accuracy of elastography and magnetic resonance imaging in patients with NAFLD: A systematic review and meta-analysis. <i>Journal of Hepatology</i> , <b>2021</b> , 75, 770-785	13.4	19
69	Concentrations of insulin glargine and its metabolites during long-term insulin therapy in type 2 diabetic patients and comparison of effects of insulin glargine, its metabolites, IGF-I, and human insulin on insulin and igf-I receptor signaling. <i>Diabetes</i> , <b>2013</b> , 62, 2539-44	0.9	18
68	Autoantibodies against oxidized LDL and endothelium-dependent vasodilation in insulin-dependent diabetes mellitus. <i>Atherosclerosis</i> , <b>1999</b> , 147, 115-22	3.1	18
67	Waist circumference adjusted for body mass index and intra-abdominal fat mass. <i>PLoS ONE</i> , <b>2012</b> , 7, e32213	3.7	18
66	Influence of Ethnicity on the Accuracy of Non-Invasive Scores Predicting Non-Alcoholic Fatty Liver Disease. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160526	3.7	18
65	Allele-specific regulation of MTTP expression influences the risk of ischemic heart disease. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 103-11	6.3	17
64	MARC1 variant rs2642438 increases hepatic phosphatidylcholines and decreases severity of non-alcoholic fatty liver disease in humans. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 725-726	13.4	16
63	Glargine and regular human insulin similarly acutely enhance endothelium-dependent vasodilatation in normal subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 320-4	9.4	16

62	Out of the frying pan: dietary saturated fat influences nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 454-456	15.9	16
61	Obesity/insulin resistance rather than liver fat increases coagulation factor activities and expression in humans. <i>Thrombosis and Haemostasis</i> , <b>2017</b> , 117, 286-294	7	15
60	Differential effects of oral and transdermal estradiol treatment on circulating estradiol fatty acid ester concentrations in postmenopausal women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 588-93	5.6	15
59	Why does obesity cause diabetes?. <i>Cell Metabolism</i> , <b>2022</b> , 34, 11-20	24.6	15
58	Predictors of Liver Fat and Stiffness in Non-Alcoholic Fatty Liver Disease (NAFLD) - an 11-Year Prospective Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 14561	4.9	14
57	Comparison of dorsocervical with abdominal subcutaneous adipose tissue in patients with and without antiretroviral therapy-associated lipodystrophy. <i>Diabetes</i> , <b>2011</b> , 60, 1894-900	0.9	14
56	MODY genes and mutations in hepatocyte nuclear factors. <i>Lancet, The</i> , <b>1997</b> , 349, 516-7	4.0	14
55	Insulin binding and action in adipocytes in vitro in relation to insulin action in vivo in young and middle-aged subjects. <i>European Journal of Endocrinology</i> , <b>1986</b> , 113, 88-92	6.5	14
54	Impact of short-term overfeeding of saturated or unsaturated fat or sugars on the gut microbiota in relation to liver fat in obese and overweight adults. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 207-216	5.9	14
53	The PNPLA3-I148M variant increases polyunsaturated triglycerides in human adipose tissue. <i>Liver International</i> , <b>2020</b> , 40, 2128-2138	7.9	13
52	Isoform-specific alanine aminotransferase measurement can distinguish hepatic from extrahepatic injury in humans. <i>International Journal of Molecular Medicine</i> , <b>2012</b> , 30, 1241-9	4.4	13
51	Evidence for spatial heterogeneity in insulin- and exercise-induced increases in glucose uptake: studies in normal subjects and patients with type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 5525-33	5.6	13
50	Arterial stiffness and insulin resistance. <i>Seminars in Vascular Medicine</i> , <b>2002</b> , 2, 157-64		13
49	Phosphorylated IGFBP-1 as a non-invasive predictor of liver fat in NAFLD. <i>Scientific Reports</i> , <b>2016</b> , 6, 24740	4.9	13
48	Nonglycemic effects of insulin. <i>Clinical Cornerstone</i> , <b>2003</b> , Suppl 4, S6-12		12
47	The EASL-Lancet Liver Commission: protecting the next generation of Europeans against liver disease complications and premature mortality. <i>Lancet, The</i> , <b>2021</b> ,	4.0	12
46	Exposure to environmental contaminants is associated with altered hepatic lipid metabolism in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , <b>2021</b> ,	13.4	12
45	Combination of the dipeptidyl peptidase-4 inhibitor linagliptin with insulin-based regimens in type 2 diabetes and chronic kidney disease. <i>Diabetes and Vascular Disease Research</i> , <b>2015</b> , 12, 249-57	3.3	11

44	Metabolomic analysis of polar metabolites in lipoprotein fractions identifies lipoprotein-specific metabolic profiles and their association with insulin resistance. <i>Molecular BioSystems</i> , <b>2012</b> , 8, 2559-65		11
43	Toxicity of hyperglycaemia in Type 2 diabetes. <i>Diabetes/metabolism Reviews</i> , <b>1998</b> , 14, S45-S50		11
42	Evidence for a primary role of insulin resistance in the pathogenesis of type 2 diabetes. <i>Annals of Medicine</i> , <b>1990</b> , 22, 197-200	1.5	11
41	Quantitative PCR provides a simple and accessible method for quantitative microbiome profiling		11
40	Ceramides: A Cause of Insulin Resistance in Nonalcoholic Fatty Liver Disease in Both Murine Models and Humans. <i>Hepatology</i> , <b>2020</b> , 71, 1499-1501	11.2	11
39	Glutamine: fructose-6-phosphate amidotransferase activity and gene expression are regulated in a tissue-specific fashion in pregnant rats. <i>Life Sciences</i> , <b>1999</b> , 65, 215-23	6.8	10
38	Effect of 3 Years of Treatment With Exenatide on Postprandial Glucagon Levels. <i>Diabetes Care</i> , <b>2016</b> , 39, e42-3	14.6	9
37	Fatty liver score and 15-year incidence of type 2 diabetes. <i>Hepatology International</i> , <b>2013</b> , 7, 610-21	8.8	9
36	Distinct contributions of metabolic dysfunction and genetic risk factors in the pathogenesis of non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , <b>2021</b> ,	13.4	9
35	Is there evidence to support use of premixed or prandial insulin regimens in insulin-naïve or previously insulin-treated type 2 diabetic patients?. <i>Diabetes Care</i> , <b>2013</b> , 36 Suppl 2, S205-11	14.6	8
34	Multiple risk factor intervention in type 2 diabetes: an opportunity not to be missed. <i>Diabetes, Obesity and Metabolism</i> , <b>2001</b> , 3, 1-8	6.7	8
33	Impact of non-alcoholic fatty liver disease on liver volume in humans. <i>Hepatology Research</i> , <b>2015</b> , 45, 210-9	5.1	7
32	Changes in muscle glucose metabolism in type 1 diabetes. <i>Annals of Medicine</i> , <b>1990</b> , 22, 201-5	1.5	7
31	Relationship between oral glucose tolerance and insulin sensitivity in healthy man and type 1 diabetic patients. <i>European Journal of Endocrinology</i> , <b>1986</b> , 112, 355-60	6.5	6
30	Immunohistochemical demonstration of relaxin in gynecologic tumors. <i>Cancer</i> , <b>1983</b> , 52, 2077-80	6.4	6
29	The occurrence of relaxin in hyperstimulated human preovulatory follicles collected in an in vitro fertilization program. <i>Journal of In Vitro Fertilization and Embryo Transfer: IVF</i> , <b>1984</b> , 1, 180-2		6
28	OBEDIS Core Variables Project: European Expert Guidelines on a Minimal Core Set of Variables to Include in Randomized, Controlled Clinical Trials of Obesity Interventions. <i>Obesity Facts</i> , <b>2020</b> , 13, 1-28	5.1	5
27	Solubilization and preliminary characterization of the human ileal vitamin B12-intrinsic factor receptor. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>1979</b> , 39, 461-7	2	5

26	Mistranslation Drives Alterations in Protein Levels and the Effects of a Synonymous Variant at the Fibroblast Growth Factor 21 Locus. <i>Advanced Science</i> , <b>2021</b> , 8, 2004168	13.6	5
25	The PNPLA3-I148M Variant Confers an Antiatherogenic Lipid Profile in Insulin-resistant Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e300-e315	5.6	5
24	Macrophage Scavenger Receptor 1 mediates lipid-induced inflammation in non-alcoholic fatty liver disease.. <i>Journal of Hepatology</i> , <b>2021</b> ,	13.4	4
23	Increased serum miR-193a-5p during non-alcoholic fatty liver disease progression: Diagnostic and mechanistic relevance.. <i>JHEP Reports</i> , <b>2022</b> , 4, 100409	10.3	4
22	Natural Course of Nonalcoholic Fatty Liver Disease and Type 2 Diabetes in Patients With Human Immunodeficiency Virus With and Without Combination Antiretroviral Therapy-associated Lipodystrophy: A 16-Year Follow-up Study. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 1708-1716	11.6	4
21	Serum Insulin Bioassay Reflects Insulin Sensitivity and Requirements in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 3814-3821	5.6	3
20	Glucose toxicity <b>2015</b> , 413-425		3
19	Glycodelin responses to hyperinsulinaemic clamp vary according to basal serum glycodelin concentration. <i>Clinical Endocrinology</i> , <b>2005</b> , 62, 611-5	3.4	3
18	Fat accumulates preferentially in the right rather than the left liver lobe in non-diabetic subjects. <i>Digestive and Liver Disease</i> , <b>2018</b> , 50, 168-174	3.3	3
17	NR1H4 rs35724 G>C variant modulates liver damage in nonalcoholic fatty liver disease. <i>Liver International</i> , <b>2021</b> , 41, 2712-2719	7.9	3
16	Assessment of Lifestyle Factors Helps to Identify Liver Fibrosis Due to Non-Alcoholic Fatty Liver Disease in Obesity. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	3
15	Low Levels of Unmodified Insulin Glargine in Plasma of People With Type 2 Diabetes Requiring High Doses of Basal Insulin. <i>Diabetes Care</i> , <b>2015</b> , 38, e96-7	14.6	2
14	Skeletal muscle mitochondrial DNA content and aerobic metabolism in patients with antiretroviral therapy-associated lipoatrophy. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 1497-504	5.1	2
13	Overfeeding Saturated Fat Increases LDL (Low-Density Lipoprotein) Aggregation Susceptibility While Overfeeding Unsaturated Fat Decreases Proteoglycan-Binding of Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 2823-2836	9.4	2
12	Obesity Modifies the Performance of Fibrosis Biomarkers in Nonalcoholic Fatty Liver Disease.. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	2
11	Effects of Weighted Hula-Hooping Compared to Walking on Abdominal Fat, Trunk Muscularity, and Metabolic Parameters in Overweight Subjects: A Randomized Controlled Study. <i>Obesity Facts</i> , <b>2019</b> , 12, 385-396	5.1	1
10	Pathogenesis of nonalcoholic fatty liver disease (NAFLD) <b>2015</b> , 281-291		1
9	Michaela Diamant, 11 April 1962-9 April 2014. <i>Diabetologia</i> , <b>2014</b> , 57, 1271-2	10.3	1

8	No association between retinopathy and insulin resistance in type 1 diabetes. <i>European Journal of Endocrinology</i> , <b>1986</b> , 111, 522-7	6.5	1
7	PSD3 downregulation confers protection against fatty liver disease.. <i>Nature Metabolism</i> , <b>2022</b> , 4, 60-75	14.6	1
6	Growth Patterns in Young Adult Monozygotic Twin Pairs Discordant and Concordant for Obesity		1
5	Macrophage Scavenger Receptor 1 mediates lipid-induced inflammation in non-alcoholic fatty liver disease		1
4	Effects of Bacterial Exposure on Secretion of Zonulin Family Peptides and Their Detection in Human Tissue Samples.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 848128	5.7	1
3	Insulin Resistance in Type 2 Diabetes <b>2010</b> , 174-190		0
2	Effects of treatment of NAFLD on the metabolic syndrome <b>2016</b> , 189-195		
1	Reply to Krahn and Sebastiani. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 245	11.6	