

Amalia Gastaldelli

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332
papers

21,490
citations

73
h-index

139
g-index

419
ext. papers

25,427
ext. citations

5.6
avg. IF

7.05
L-index

#	Paper	IF	Citations
332	EASL-EASD-EASO Clinical Practice Guidelines for the management of non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2016 , 64, 1388-402	13.4	2065
331	A placebo-controlled trial of pioglitazone in subjects with nonalcoholic steatohepatitis. <i>New England Journal of Medicine</i> , 2006 , 355, 2297-307	59.2	1311
330	Regulation of endogenous fat and carbohydrate metabolism in relation to exercise intensity and duration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1993 , 265, E380-91	6	652
329	Insulin resistance in non-diabetic patients with non-alcoholic fatty liver disease: sites and mechanisms. <i>Diabetologia</i> , 2005 , 48, 634-42	10.3	510
328	Non-alcoholic fatty liver disease (NAFLD) and its connection with insulin resistance, dyslipidemia, atherosclerosis and coronary heart disease. <i>Nutrients</i> , 2013 , 5, 1544-60	6.7	474
327	beta-Cell function in subjects spanning the range from normal glucose tolerance to overt diabetes: a new analysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 493-500	5.6	407
326	Relationship between hepatic/visceral fat and hepatic insulin resistance in nondiabetic and type 2 diabetic subjects. <i>Gastroenterology</i> , 2007 , 133, 496-506	13.3	397
325	A sustained increase in plasma free fatty acids impairs insulin secretion in nondiabetic subjects genetically predisposed to develop type 2 diabetes. <i>Diabetes</i> , 2003 , 52, 2461-74	0.9	388
324	Molecular basis and mechanisms of progression of non-alcoholic steatohepatitis. <i>Trends in Molecular Medicine</i> , 2008 , 14, 72-81	11.5	324
323	Plasma adiponectin in nonalcoholic fatty liver is related to hepatic insulin resistance and hepatic fat content, not to liver disease severity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 3498-504	5.6	322
322	Separate impact of obesity and glucose tolerance on the incretin effect in normal subjects and type 2 diabetic patients. <i>Diabetes</i> , 2008 , 57, 1340-8	0.9	297
321	Glucagon-like peptide-1 receptor activation stimulates hepatic lipid oxidation and restores hepatic signalling alteration induced by a high-fat diet in nonalcoholic steatohepatitis. <i>Liver International</i> , 2011 , 31, 1285-97	7.9	281
320	EASL-EASD-EASO Clinical Practice Guidelines for the management of non-alcoholic fatty liver disease. <i>Diabetologia</i> , 2016 , 59, 1121-40	10.3	275
319	Effect of adipose tissue insulin resistance on metabolic parameters and liver histology in obese patients with nonalcoholic fatty liver disease. <i>Hepatology</i> , 2012 , 55, 1389-97	11.2	262
318	Beta-cell dysfunction and glucose intolerance: results from the San Antonio metabolism (SAM) study. <i>Diabetologia</i> , 2004 , 47, 31-9	10.3	257
317	Fatty liver is associated with insulin resistance, risk of coronary heart disease, and early atherosclerosis in a large European population. <i>Hepatology</i> , 2009 , 49, 1537-44	11.2	248
316	Gastric bypass surgery enhances glucagon-like peptide 1-stimulated postprandial insulin secretion in humans. <i>Diabetes</i> , 2011 , 60, 2308-14	0.9	248

315	Influence of obesity and type 2 diabetes on gluconeogenesis and glucose output in humans: a quantitative study. <i>Diabetes</i> , 2000 , 49, 1367-73	0.9	248
314	The Subtle Balance between Lipolysis and Lipogenesis: A Critical Point in Metabolic Homeostasis. <i>Nutrients</i> , 2015 , 7, 9453-74	6.7	239
313	Meal and oral glucose tests for assessment of beta -cell function: modeling analysis in normal subjects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E1159-66	6	235
312	Acute effects of gastric bypass versus gastric restrictive surgery on beta-cell function and insulinotropic hormones in severely obese patients with type 2 diabetes. <i>International Journal of Obesity</i> , 2010 , 34, 462-71	5.5	215
311	EASL-EASD-EASO Clinical Practice Guidelines for the Management of Non-Alcoholic Fatty Liver Disease. <i>Obesity Facts</i> , 2016 , 9, 65-90	5.1	197
310	Visceral fat in hypertension: influence on insulin resistance and beta-cell function. <i>Hypertension</i> , 2004 , 44, 127-33	8.5	196
309	Gastric bypass and banding equally improve insulin sensitivity and β cell function. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4667-74	15.9	196
308	Metabolic effects of visceral fat accumulation in type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 5098-103	5.6	190
307	Circulating soluble receptor for advanced glycation end products is inversely associated with glycemic control and S100A12 protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 4628-34	5.6	186
306	Importance of changes in adipose tissue insulin resistance to histological response during thiazolidinedione treatment of patients with nonalcoholic steatohepatitis. <i>Hepatology</i> , 2009 , 50, 1087-93	11.2	185
305	Assessing insulin secretion by modeling in multiple-meal tests: role of potentiation. <i>Diabetes</i> , 2002 , 51 Suppl 1, S221-6	0.9	184
304	AISF position paper on nonalcoholic fatty liver disease (NAFLD): Updates and future directions. <i>Digestive and Liver Disease</i> , 2017 , 49, 471-483	3.3	179
303	Hyperinsulinemia and autonomic nervous system dysfunction in obesity: effects of weight loss. <i>Circulation</i> , 2001 , 103, 513-9	16.7	179
302	Blockade of glucagon-like peptide 1 receptor corrects postprandial hypoglycemia after gastric bypass. <i>Gastroenterology</i> , 2014 , 146, 669-680.e2	13.3	167
301	Behavior therapy for nonalcoholic fatty liver disease: The need for a multidisciplinary approach. <i>Hepatology</i> , 2008 , 47, 746-54	11.2	167
300	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. <i>Diabetes Care</i> , 2018 , 41, 1732-1739	14.6	167
299	Early and longer term effects of gastric bypass surgery on tissue-specific insulin sensitivity and beta cell function in morbidly obese patients with and without type 2 diabetes. <i>Diabetologia</i> , 2011 , 54, 2093-102	10.3	164
298	Altered amino acid concentrations in NAFLD: Impact of obesity and insulin resistance. <i>Hepatology</i> , 2018 , 67, 145-158	11.2	162

297	Role of Adipose Tissue Insulin Resistance in the Natural History of Type 2 Diabetes: Results From the San Antonio Metabolism Study. <i>Diabetes</i> , 2017 , 66, 815-822	0.9	152
296	Vascular effects of improving metabolic control with metformin or rosiglitazone in type 2 diabetes. <i>Diabetes Care</i> , 2004 , 27, 1349-57	14.6	152
295	Thiazolidinediones improve beta-cell function in type 2 diabetic patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E871-83	6	145
294	Heme oxygenase-1 induction remodels adipose tissue and improves insulin sensitivity in obesity-induced diabetic rats. <i>Hypertension</i> , 2009 , 53, 508-15	8.5	144
293	Insulin resistance, insulin response, and obesity as indicators of metabolic risk. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 2885-92	5.6	131
292	Impaired myocardial metabolic reserve and substrate selection flexibility during stress in patients with idiopathic dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3270-8	5.2	129
291	Pancreatic islet amyloidosis, beta-cell apoptosis, and alpha-cell proliferation are determinants of islet remodeling in type-2 diabetic baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13992-7	11.5	125
290	An accurate and robust method for unsupervised assessment of abdominal fat by MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 684-9	5.6	122
289	Sites and mechanisms of insulin resistance in nonobese, nondiabetic patients with chronic hepatitis C. <i>Hepatology</i> , 2009 , 50, 697-706	11.2	117
288	Effect of physiological hyperinsulinemia on gluconeogenesis in nondiabetic subjects and in type 2 diabetic patients. <i>Diabetes</i> , 2001 , 50, 1807-12	0.9	117
287	From NASH to diabetes and from diabetes to NASH: Mechanisms and treatment options. <i>JHEP Reports</i> , 2019 , 1, 312-328	10.3	116
286	Ectopic fat and cardiovascular disease: what is the link?. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010 , 20, 481-90	4.5	114
285	Genetic variation in PNPLA3 (adiponutrin) confers sensitivity to weight loss-induced decrease in liver fat in humans. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 104-11	7	104
284	Fatty liver index, gamma-glutamyltransferase, and early carotid plaques. <i>Hepatology</i> , 2012 , 55, 1406-15	11.2	103
283	Autonomic and hemodynamic responses to insulin in lean and obese humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 2084-90	5.6	102
282	Direct effect of GLP-1 infusion on endogenous glucose production in humans. <i>Diabetologia</i> , 2013 , 56, 156-61	10.3	101
281	beta-cell function in obesity: effects of weight loss. <i>Diabetes</i> , 2004 , 53 Suppl 3, S26-33	0.9	101
280	Insulin: new roles for an ancient hormone. <i>European Journal of Clinical Investigation</i> , 1999 , 29, 842-52	4.6	100

279	Pathophysiology of prediabetes. <i>Medical Clinics of North America</i> , 2011 , 95, 327-39, vii-viii	7	98
278	A new correction factor for use in tracer estimations of plasma fatty acid oxidation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1995 , 269, E649-56	6	97
277	Early hypertension is associated with reduced regional cardiac function, insulin resistance, epicardial, and visceral fat. <i>Hypertension</i> , 2008 , 51, 282-8	8.5	93
276	The L-4F mimetic peptide prevents insulin resistance through increased levels of HO-1, pAMPK, and pAKT in obese mice. <i>Journal of Lipid Research</i> , 2009 , 50, 1293-304	6.3	92
275	Pericardial rather than epicardial fat is a cardiometabolic risk marker: an MRI vs echo study. <i>Journal of the American Society of Echocardiography</i> , 2011 , 24, 1156-62	5.8	90
274	Predominant role of reduced beta-cell sensitivity to glucose over insulin resistance in impaired glucose tolerance. <i>Diabetologia</i> , 2003 , 46, 1211-9	10.3	89
273	Comparison of liver fat indices for the diagnosis of hepatic steatosis and insulin resistance. <i>PLoS ONE</i> , 2014 , 9, e94059	3.7	88
272	Liver enzymes are associated with hepatic insulin resistance, insulin secretion, and glucagon concentration in healthy men and women. <i>Diabetes</i> , 2011 , 60, 1660-7	0.9	88
271	Separate contribution of diabetes, total fat mass, and fat topography to glucose production, gluconeogenesis, and glycogenolysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 3914-21	5.6	88
270	Pathophysiology of Non Alcoholic Fatty Liver Disease. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	88
269	Autonomic and Hemodynamic Responses to Insulin in Lean and Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 2084-2090	5.6	86
268	Altered islet function and insulin clearance cause hyperinsulinemia in gastric bypass patients with symptoms of postprandial hypoglycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2008-17	5.6	83
267	Triglyceride-induced diabetes associated with familial lipoprotein lipase deficiency. <i>Diabetes</i> , 1999 , 48, 1258-63	0.9	83
266	beta-cell function in morbidly obese subjects during free living: long-term effects of weight loss. <i>Diabetes</i> , 2005 , 54, 2382-9	0.9	82
265	Long-term effects of bariatric surgery on meal disposal and beta cell function in diabetic and nondiabetic patients. <i>Diabetes</i> , 2013 , 62, 3709-17	0.9	81
264	Pioglitazone in the treatment of NASH: the role of adiponectin. <i>Alimentary Pharmacology and Therapeutics</i> , 2010 , 32, 769-75	6.1	79
263	Role of beta-cell dysfunction, ectopic fat accumulation and insulin resistance in the pathogenesis of type 2 diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2011 , 93 Suppl 1, S60-5	7.4	78
262	Circulating lysophosphatidylcholines are markers of a metabolically benign nonalcoholic fatty liver. <i>Diabetes Care</i> , 2013 , 36, 2331-8	14.6	77

261	Mechanisms for the antihyperglycemic effect of sitagliptin in patients with type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 2818-26	5.6	75
260	Nonalcoholic fatty liver disease and type 2 diabetes: common pathophysiologic mechanisms. <i>Current Diabetes Reports</i> , 2015 , 15, 607	5.6	74
259	Effects on insulin secretion and insulin action of a 48-h reduction of plasma free fatty acids with acipimox in nondiabetic subjects genetically predisposed to type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E1775-81	6	73
258	Dose-response characteristics of insulin action on glucose metabolism: a non-steady-state approach. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 278, E794-801	6	73
257	Fat metabolism during high-intensity exercise in endurance-trained and untrained men. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 122-8	12.7	73
256	Splanchnic and leg substrate exchange after ingestion of a natural mixed meal in humans. <i>Diabetes</i> , 1999 , 48, 958-66	0.9	73
255	Pathway of free fatty acid oxidation in human subjects. Implications for tracer studies. <i>Journal of Clinical Investigation</i> , 1995 , 95, 278-84	15.9	73
254	Reduction in hematocrit and hemoglobin following pioglitazone treatment is not hemodilutional in Type II diabetes mellitus. <i>Clinical Pharmacology and Therapeutics</i> , 2007 , 82, 275-81	6.1	71
253	Genome-scale study reveals reduced metabolic adaptability in patients with non-alcoholic fatty liver disease. <i>Nature Communications</i> , 2016 , 7, 8994	17.4	70
252	Effect of acute hyperglycemia on insulin secretion in humans. <i>Diabetes</i> , 2002 , 51 Suppl 1, S130-3	0.9	69
251	Impact of increased visceral and cardiac fat on cardiometabolic risk and disease. <i>Diabetic Medicine</i> , 2012 , 29, 622-7	3.5	68
250	Prevention of diabetes with pioglitazone in ACT NOW: physiologic correlates. <i>Diabetes</i> , 2013 , 62, 3920-60.9	6.9	68
249	The crosstalk between insulin and renin-angiotensin-aldosterone signaling systems and its effect on glucose metabolism and diabetes prevention. <i>Current Vascular Pharmacology</i> , 2008 , 6, 301-12	3.3	67
248	The effect of pioglitazone on the liver: role of adiponectin. <i>Diabetes Care</i> , 2006 , 29, 2275-81	14.6	67
247	Crosstalk between adipose tissue insulin resistance and liver macrophages in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2019 , 71, 1012-1021	13.4	66
246	Mechanism and effects of glucose absorption during an oral glucose tolerance test among females and males. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 515-24	5.6	65
245	Glucagon-like Peptide-1 and the Central/Peripheral Nervous System: Crosstalk in Diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 88-103	8.8	61
244	Early-onset type 2 diabetes in obese white subjects is characterised by a marked defect in beta cell insulin secretion, severe insulin resistance and a lack of response to aerobic exercise training. <i>Diabetologia</i> , 2007 , 50, 1500-8	10.3	61

243	Pioglitazone improves glucose metabolism and modulates skeletal muscle TIMP-3-TACE dyad in type 2 diabetes mellitus: a randomised, double-blind, placebo-controlled, mechanistic study. <i>Diabetologia</i> , 2013 , 56, 2153-63	10.3	60
242	Accurate segmentation of subcutaneous and intermuscular adipose tissue from MR images of the thigh. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 677-84	5.6	59
241	Exenatide improves both hepatic and adipose tissue insulin resistance: A dynamic positron emission tomography study. <i>Hepatology</i> , 2016 , 64, 2028-2037	11.2	58
240	Improved tolerance to sequential glucose loading (Staub-Traugott effect): size and mechanisms. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E532-7	6	58
239	Pioglitazone treatment increases whole body fat but not total body water in patients with non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2007 , 47, 565-70	13.4	58
238	Loss of 50% of excess weight using a very low energy diet improves insulin-stimulated glucose disposal and skeletal muscle insulin signalling in obese insulin-treated type 2 diabetic patients. <i>Diabetologia</i> , 2008 , 51, 309-19	10.3	57
237	HCC development is associated to peripheral insulin resistance in a mouse model of NASH. <i>PLoS ONE</i> , 2014 , 9, e97136	3.7	56
236	The effect of rosiglitazone on the liver: decreased gluconeogenesis in patients with type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 806-12	5.6	56
235	Plasma sCD36 is associated with markers of atherosclerosis, insulin resistance and fatty liver in a nondiabetic healthy population. <i>Journal of Internal Medicine</i> , 2012 , 271, 294-304	10.8	55
234	Effect of a daily supplement of soy protein on body composition and insulin secretion in postmenopausal women. <i>Fertility and Sterility</i> , 2007 , 88, 1609-17	4.8	55
233	Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans. <i>Journal of Applied Physiology</i> , 1995 , 78, 1203-7	3.7	55
232	Biliopancreatic diversion in nonobese patients with type 2 diabetes: impact and mechanisms. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 2765-73	5.6	54
231	Insulin prolongs the QTc interval in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R2022-5	3.2	54
230	Quantification of liver glucose metabolism by positron emission tomography: validation study in pigs. <i>Gastroenterology</i> , 2007 , 132, 531-42	13.3	52
229	Effect of pioglitazone on the metabolic and hormonal response to a mixed meal in type II diabetes. <i>Clinical Pharmacology and Therapeutics</i> , 2007 , 81, 205-12	6.1	52
228	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. <i>Diabetologia</i> , 2017 , 60, 1873-1882	10.3	51
227	Glucokinase links Krüppel-like factor 6 to the regulation of hepatic insulin sensitivity in nonalcoholic fatty liver disease. <i>Hepatology</i> , 2012 , 55, 1083-93	11.2	50
226	Regulation of plasma fatty acid oxidation during low- and high-intensity exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997 , 272, E1065-70	6	50

225	A model for glucose control of insulin secretion during 24 h of free living. <i>Diabetes</i> , 2001 , 50 Suppl 1, S164-8	0.9	48
224	Brain leptin reduces liver lipids by increasing hepatic triglyceride secretion and lowering lipogenesis. <i>Nature Communications</i> , 2019 , 10, 2717	17.4	47
223	Assessment of methods for improving tracer estimation of non-steady-state rate of appearance. <i>Journal of Applied Physiology</i> , 1999 , 87, 1813-22	3.7	47
222	Effects of adding exercise to a 16-week very low-calorie diet in obese, insulin-dependent type 2 diabetes mellitus patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 2512-20	5.6	46
221	Prediction of diabetes based on baseline metabolic characteristics in individuals at high risk. <i>Diabetes Care</i> , 2013 , 36, 3607-12	14.6	44
220	Metabolic effects of soy supplementation in postmenopausal Caucasian and African American women: a randomized, placebo-controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2010 , 203, 153.e1-9	6.4	44
219	Effects of troglitazone on insulin action and cardiovascular risk factors in patients with non-insulin-dependent diabetes. <i>Clinical Pharmacology and Therapeutics</i> , 1997 , 62, 194-202	6.1	43
218	Muscle and adipose tissue morphology, insulin sensitivity and beta-cell function in diabetic and nondiabetic obese patients: effects of bariatric surgery. <i>Scientific Reports</i> , 2017 , 7, 9007	4.9	42
217	Ectopic fat: the true culprit linking obesity and cardiovascular disease?. <i>Thrombosis and Haemostasis</i> , 2013 , 110, 651-60	7	42
216	Peripheral insulin resistance predicts liver damage in nondiabetic subjects with nonalcoholic fatty liver disease. <i>Hepatology</i> , 2016 , 63, 107-16	11.2	42
215	Lack of NLRP3-inflammasome leads to gut-liver axis derangement, gut dysbiosis and a worsened phenotype in a mouse model of NAFLD. <i>Scientific Reports</i> , 2017 , 7, 12200	4.9	41
214	Effect of exenatide on splanchnic and peripheral glucose metabolism in type 2 diabetic subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 1763-70	5.6	41
213	Determinants of postabsorptive endogenous glucose output in non-diabetic subjects. European Group for the Study of Insulin Resistance (EGIR). <i>Diabetologia</i> , 2000 , 43, 1266-72	10.3	41
212	Gamma-glutamyltransferase, fatty liver index and hepatic insulin resistance are associated with incident hypertension in two longitudinal studies. <i>Journal of Hypertension</i> , 2017 , 35, 493-500	1.9	40
211	Preserved GLP-1 and exaggerated GIP secretion in type 2 diabetes and relationships with triglycerides and ALT. <i>European Journal of Endocrinology</i> , 2013 , 169, 421-30	6.5	40
210	What is the role of the receptor for advanced glycation end products-ligand axis in liver injury?. <i>Liver Transplantation</i> , 2011 , 17, 633-40	4.5	40
209	Fatty liver index predicts further metabolic deteriorations in women with previous gestational diabetes. <i>PLoS ONE</i> , 2012 , 7, e32710	3.7	40
208	Energy expenditure of swimmers during high volume training. <i>Medicine and Science in Sports and Exercise</i> , 1997 , 29, 950-4	1.2	40

207	Increased FNDC5/Irisin expression in human hepatocellular carcinoma. <i>Peptides</i> , 2017 , 88, 62-66	3.8	39
206	Altered pattern of the incretin effect as assessed by modelling in individuals with glucose tolerance ranging from normal to diabetic. <i>Diabetologia</i> , 2014 , 57, 1199-203	10.3	39
205	The effect of menopause on carotid artery remodeling, insulin sensitivity, and plasma adiponectin in healthy women. <i>American Journal of Hypertension</i> , 2009 , 22, 364-70	2.3	39
204	Visceral fat and beta cell function in non-diabetic humans. <i>Diabetologia</i> , 2005 , 48, 2090-6	10.3	39
203	Matched weight loss induced by sleeve gastrectomy or gastric bypass similarly improves metabolic function in obese subjects. <i>Obesity</i> , 2014 , 22, 2026-31	8	38
202	Effect of theophylline on substrate metabolism during exercise. <i>Metabolism: Clinical and Experimental</i> , 1996 , 45, 1153-60	12.7	38
201	Variation in the ADIPOQ gene promoter is associated with carotid intima media thickness independent of plasma adiponectin levels in healthy subjects. <i>European Heart Journal</i> , 2008 , 29, 386-93	9.5	37
200	Mboat7 down-regulation by hyper-insulinemia induces fat accumulation in hepatocytes. <i>EBioMedicine</i> , 2020 , 52, 102658	8.8	36
199	Relationship between fatty liver and glucose metabolism: a cross-sectional study in 571 obese children. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2012 , 22, 120-6	4.5	36
198	Influence of ethnicity and familial diabetes on glucose tolerance and insulin action: a physiological analysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3251-7	5.6	36
197	Lipid and carbohydrate metabolism in IDDM during moderate and intense exercise. <i>Diabetes</i> , 1995 , 44, 1066-74	0.9	36
196	Screening for non-alcoholic fatty liver disease in type 2 diabetes using non-invasive scores and association with diabetic complications. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	35
195	Pioglitazone Improves Left Ventricular Diastolic Function in Subjects With Diabetes. <i>Diabetes Care</i> , 2017 , 40, 1530-1536	14.6	34
194	Influence of duration of obesity on the insulin resistance of obese non-diabetic patients. <i>International Journal of Obesity</i> , 1998 , 22, 262-7	5.5	34
193	Protein synthesis and breakdown in skin and muscle: a leg model of amino acid kinetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994 , 267, E467-74	6	34
192	Exenatide Regulates Cerebral Glucose Metabolism in Brain Areas Associated With Glucose Homeostasis and Reward System. <i>Diabetes</i> , 2015 , 64, 3406-12	0.9	33
191	Hydroxysteroid 17- α -dehydrogenase 13 variant increases phospholipids and protects against fibrosis in nonalcoholic fatty liver disease. <i>JCI Insight</i> , 2020 , 5,	9.9	33
190	Validation of [^{18}F]fluorodeoxyglucose and positron emission tomography (PET) for the measurement of intestinal metabolism in pigs, and evidence of intestinal insulin resistance in patients with morbid obesity. <i>Diabetologia</i> , 2013 , 56, 893-900	10.3	31

189	Not all fats are created equal: adipose vs. ectopic fat, implication in cardiometabolic diseases. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2015 , 22, 7-18	1.3	31
188	Exenatide and dapagliflozin combination improves markers of liver steatosis and fibrosis in patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2020 , 22, 393-403	6.7	30
187	Determination of the enrichment of the hydrogen bound to carbon 5 of glucose on 2H2O administration. <i>Analytical Biochemistry</i> , 2001 , 297, 195-7	3.1	29
186	Coordinated defects in hepatic long chain fatty acid metabolism and triglyceride accumulation contribute to insulin resistance in non-human primates. <i>PLoS ONE</i> , 2011 , 6, e27617	3.7	29
185	Ghrelin Impairs Prandial Glucose Tolerance and Insulin Secretion in Healthy Humans Despite Increasing GLP-1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2405-14	5.6	29
184	Short-term Effects of Laparoscopic Adjustable Gastric Banding Versus Roux-en-Y Gastric Bypass. <i>Diabetes Care</i> , 2016 , 39, 1925-1931	14.6	29
183	¹⁸ F-FDG assessment of glucose disposal and production rates during fasting and insulin stimulation: a validation study. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 1016-22	8.9	29
182	Effects of Probiotic Supplementation on Gastrointestinal, Sensory and Core Symptoms in Autism Spectrum Disorders: A Randomized Controlled Trial. <i>Frontiers in Psychiatry</i> , 2020 , 11, 550593	5	28
181	Imaging cardiac fat. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 625-30	4.1	27
180	Metabolomics and lipidomics in NAFLD: biomarkers and non-invasive diagnostic tests. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 835-856	24.2	27
179	Osteopontin in hepatocellular carcinoma: A possible biomarker for diagnosis and follow-up. <i>Cytokine</i> , 2017 , 99, 59-65	4	26
178	Women-specific predictors of cardiovascular disease risk - new paradigms. <i>International Journal of Cardiology</i> , 2019 , 286, 190-197	3.2	26
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