Steven E Kahn

List of Publications by Citations

286 papers	33,051 citations	82 h-index	179 g-index
302 ext. papers	37,286 ext. citations	9 avg, IF	6.96 L-index

#	Paper	IF	Citations
286	Mechanisms linking obesity to insulin resistance and type 2 diabetes. *Nature*, **2006**, 444, 840-6	50.4	3229
285	Glycemic durability of rosiglitazone, metformin, or glyburide monotherapy. *New England Journal of Medicine*, **2006**, 355, 2427-43	59.2	2332
284	Cardiovascular effects of intensive lifestyle intervention in type 2 diabetes. *New England Journal of Medicine*, **2013**, 369, 145-54	59.2	1738
283	Reduction in weight and cardiovascular disease risk factors in individuals with type 2 diabetes: one-year results of the look AHEAD trial. *Diabetes Care*, **2007**, 30, 1374-83	14.6	1154
282	Activation of the NLRP3 inflammasome by islet amyloid polypeptide provides a mechanism for enhanced IL-1 in type 2 diabetes. *Nature Immunology*, **2010**, 11, 897-904	19.1	940
281	Pathophysiology and treatment of type 2 diabetes: perspectives on the past, present, and future. *Lancet, The*, **2014**, 383, 1068-83	40	915
280	Complex distribution, not absolute amount of adiponectin, correlates with thiazolidinedione-mediated improvement in insulin sensitivity. *Journal of Biological Chemistry*, **2004**, 279, 12152-62	5.4	868
279	Intra-abdominal fat is a major determinant of the National Cholesterol Education Program Adult Treatment Panel III criteria for the metabolic syndrome. *Diabetes*, **2004**, 53, 2087-94	0.9	697
278	Look AHEAD (Action for Health in Diabetes): design and methods for a clinical trial of weight loss for the prevention of cardiovascular disease in type 2 diabetes. *Contemporary Clinical Trials*, **2003**, 24, 610-28		591
277	Effect of Linagliptin vs Placebo on Major Cardiovascular Events in Adults With Type 2 Diabetes and High Cardiovascular and Renal Risk: The CARMELINA Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2019**, 321, 69-79	27.4	562
276	Review: The role of insulin resistance in nonalcoholic fatty liver disease. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 4753-61	5.6	555
275	Prevention of diabetes in women with a history of gestational diabetes: effects of metformin and lifestyle interventions. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 4774-9	5.6	531
274	Glucose levels and risk of dementia. *New England Journal of Medicine*, **2013**, 369, 540-8	59.2	516
273	Effect of valsartan on the incidence of diabetes and cardiovascular events. *New England Journal of Medicine*, **2010**, 362, 1477-90	59.2	493
272	Clinical review 135: The importance of beta-cell failure in the development and progression of type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 4047-58	5.6	470
271	Rosiglitazone-associated fractures in type 2 diabetes: an Analysis from A Diabetes Outcome Progression Trial (ADOPT). *Diabetes Care*, **2008**, 31, 845-51	14.6	431
270	Islet amyloid: a critical entity in the pathogenesis of type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 3629-43	5.6	427

269	Differences in A1C by race and ethnicity among patients with impaired glucose tolerance in the Diabetes Prevention Program. *Diabetes Care*, **2007**, 30, 2453-7	14.6	394
268	Prevention of type 2 diabetes with troglitazone in the Diabetes Prevention Program. *Diabetes*, **2005**, 54, 1150-6	0.9	384
267	Oral disposition index predicts the development of future diabetes above and beyond fasting and 2-h glucose levels. *Diabetes Care*, **2009**, 32, 335-41	14.6	363
266	Effect of nateglinide on the incidence of diabetes and cardiovascular events. *New England Journal of Medicine*, **2010**, 362, 1463-76	59.2	358
265	Role of insulin secretion and sensitivity in the evolution of type 2 diabetes in the diabetes prevention program: effects of lifestyle intervention and metformin. *Diabetes*, **2005**, 54, 2404-14	0.9	348
264	The concurrent accumulation of intra-abdominal and subcutaneous fat explains the association between insulin resistance and plasma leptin concentrations : distinct metabolic effects of two fat compartments. *Diabetes*, **2002**, 51, 1005-15	0.9	311
263	Effect of regression from prediabetes to normal glucose regulation on long-term reduction in diabetes risk: results from the Diabetes Prevention Program Outcomes Study. *Lancet, The*, **2012**, 379, 2243-51	40	297
262	Obesity and type 2 diabetes: what can be unified and what needs to be individualized?. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 1654-63	5.6	290
261	Beta-cell function is a major contributor to oral glucose tolerance in high-risk relatives of four ethnic groups in the U.S. *Diabetes*, **2002**, 51, 2170-8	0.9	253
260	Effect of a 12-month intensive lifestyle intervention on hepatic steatosis in adults with type 2 diabetes. *Diabetes Care*, **2010**, 33, 2156-63	14.6	250
259	Is central obesity associated with cirrhosis-related death or hospitalization? A population-based, cohort study. *Clinical Gastroenterology and Hepatology*, **2005**, 3, 67-74	6.9	246
258	Effect of Linagliptin vs Glimepiride on Major Adverse Cardiovascular Outcomes in Patients With Type 2 Diabetes: The CAROLINA Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1155-1166	27.4	245
257	Ghrelin suppresses glucose-stimulated insulin secretion and deteriorates glucose tolerance in healthy humans. *Diabetes*, **2010**, 59, 2145-51	0.9	237
256	Gestational diabetes mellitus increases the risk of cardiovascular disease in women with a family history of type 2 diabetes. *Diabetes Care*, **2006**, 29, 2078-83	14.6	233
255	Central insulin administration reduces neuropeptide Y mRNA expression in the arcuate nucleus of food-deprived lean (Fa/Fa) but not obese (fa/fa) Zucker rats. *Endocrinology*, **1991**, 128, 2645-7	4.8	232
254	The effect of intensive endurance exercise training on body fat distribution in young and older men. *Metabolism: Clinical and Experimental*, **1991**, 40, 545-51	12.7	224
253	Ecell loss and Ecell apoptosis in human type 2 diabetes are related to islet amyloid deposition. *American Journal of Pathology*, **2011**, 178, 2632-40	5.8	223
252	The atherogenic lipoprotein profile associated with obesity and insulin resistance is largely attributable to intra-abdominal fat. *Diabetes*, **2003**, 52, 172-9	0.9	215

251	Visceral adiposity is an independent predictor of incident hypertension in Japanese Americans. *Annals of Internal Medicine*, **2004**, 140, 992-1000	8	201
250	Disproportionately elevated proinsulin in Pima Indians with noninsulin-dependent diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1990**, 70, 1247-53	5.6	184
249	Design and baseline characteristics of the CARdiovascular Outcome Trial of LINAgliptin Versus Glimepiride in Type 2 Diabetes (CAROLINA). *Diabetes and Vascular Disease Research*, **2015**, 12, 164-74	3.3	182
248	A diabetes outcome progression trial (ADOPT): an international multicenter study of the comparative efficacy of rosiglitazone, glyburide, and metformin in recently diagnosed type 2 diabetes. *Diabetes Care*, **2002**, 25, 1737-43	14.6	180
247	Rationale and design of the glycemia reduction approaches in diabetes: a comparative effectiveness study (GRADE). *Diabetes Care*, **2013**, 36, 2254-61	14.6	173
246	Visceral adiposity and the risk of impaired glucose tolerance: a prospective study among Japanese Americans. *Diabetes Care*, **2003**, 26, 650-5	14.6	171
245	The prevention of type 2 diabetes. *Nature Clinical Practice Endocrinology and Metabolism*, **2008**, 4, 382-93		170
244	Obesity and type 2 diabetes: what can be unified and what needs to be individualized?. *Diabetes Care*, **2011**, 34, 1424-30	14.6	168
243	Elevated depression symptoms, antidepressant medicine use, and risk of developing diabetes during the diabetes prevention program. *Diabetes Care*, **2008**, 31, 420-6	14.6	167
242	Effects of rosiglitazone, glyburide, and metformin on cell function and insulin sensitivity in ADOPT. *Diabetes*, **2011**, 60, 1552-60	0.9	164
241	Disproportionately elevated proinsulin levels reflect the degree of impaired B cell secretory capacity in patients with noninsulin-dependent diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1998**, 83, 604-8	5.6	164
240	Visceral adiposity, not abdominal subcutaneous fat area, is associated with an increase in future insulin resistance in Japanese Americans. *Diabetes*, **2008**, 57, 1269-75	0.9	157
239	Obesity is a major determinant of the association of C-reactive protein levels and the metabolic syndrome in type 2 diabetes. *Diabetes*, **2006**, 55, 2357-64	0.9	154
238	Updated genetic score based on 34 confirmed type 2 diabetes Loci is associated with diabetes incidence and regression to normoglycemia in the diabetes prevention program. *Diabetes*, **2011**, 60, 1340-8	0.9	153
237	Minimum waist and visceral fat values for identifying Japanese Americans at risk for the metabolic syndrome. *Diabetes Care*, **2007**, 30, 120-7	14.6	153
236	Obesity, body fat distribution, insulin sensitivity and Islet beta-cell function as explanations for metabolic diversity. *Journal of Nutrition*, **2001**, 131, 354S-60S	4.1	144
235	The importance of the beta-cell in the pathogenesis of type 2 diabetes mellitus. *American Journal of Medicine*, **2000**, 108 Suppl 6a, 2S-8S	2.4	140
234	Insulin resistance as a physiological defense against metabolic stress: implications for the management of subsets of type 2 diabetes. *Diabetes*, **2015**, 64, 673-86	0.9	139

233	Effect of rosiglitazone, metformin, and glyburide on bone biomarkers in patients with type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 134-42	5.6	138
232	Adiponectin, change in adiponectin, and progression to diabetes in the Diabetes Prevention Program. *Diabetes*, **2008**, 57, 980-6	0.9	135
231	Impact of intensive lifestyle intervention on depression and health-related quality of life in type 2 diabetes: the Look AHEAD Trial. *Diabetes Care*, **2014**, 37, 1544-53	14.6	129
230	Progressive loss of beta-cell function leads to worsening glucose tolerance in first-degree relatives of subjects with type 2 diabetes. *Diabetes Care*, **2007**, 30, 677-82	14.6	129
229	Adherence to preventive medications: predictors and outcomes in the Diabetes Prevention Program. *Diabetes Care*, **2006**, 29, 1997-2002	14.6	126
228	Phenotypic characteristics of GAD antibody-positive recently diagnosed patients with type 2 diabetes in North America and Europe. *Diabetes*, **2004**, 53, 3193-200	0.9	124
227	Impact of an intensive lifestyle intervention on use and cost of medical services among overweight and obese adults with type 2 diabetes: the action for health in diabetes. *Diabetes Care*, **2014**, 37, 2548-56	14.6	123
226	Cardiovascular outcome trials in type 2 diabetes and the sulphonylurea controversy: rationale for the active-comparator CAROLINA trial. *Diabetes and Vascular Disease Research*, **2013**, 10, 289-301	3.3	119
225	Regression from pre-diabetes to normal glucose regulation in the diabetes prevention program. *Diabetes Care*, **2009**, 32, 1583-8	14.6	119
224	The dipeptidyl peptidase-4 inhibitor vildagliptin improves beta-cell function and insulin sensitivity in subjects with impaired fasting glucose. *Diabetes Care*, **2008**, 31, 108-13	14.6	115
223	Proinsulin as a marker for the development of NIDDM in Japanese-American men. *Diabetes*, **1995**, 44, 173-9	0.9	114
222	Effects of the type 2 diabetes-associated PPARG P12A polymorphism on progression to diabetes and response to troglitazone. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 1502-9	5.6	113
221	Heritability of pancreatic beta-cell function among nondiabetic members of Caucasian familial type 2 diabetic kindreds. *Journal of Clinical Endocrinology and Metabolism*, **1999**, 84, 1398-403	5.6	113
220	Effect of weight loss with reduction of intra-abdominal fat on lipid metabolism in older men. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 977-82	5.6	108
219	The contribution of insulin-dependent and insulin-independent glucose uptake to intravenous glucose tolerance in healthy human subjects. *Diabetes*, **1994**, 43, 587-92	0.9	108
218	Differential effect of inbred mouse strain (C57BL/6, DBA/2, 129T2) on insulin secretory function in response to a high fat diet. *Journal of Endocrinology*, **2005**, 187, 45-53	4.7	106
217	Type 2 diabetes-associated missense polymorphisms KCNJ11 E23K and ABCC8 A1369S influence progression to diabetes and response to interventions in the Diabetes Prevention Program. *Diabetes*, **2007**, 56, 531-6	0.9	105
216	Linagliptin Effects on Heart Failure and Related Outcomes in Individuals With Type 2 Diabetes Mellitus at High Cardiovascular and Renal Risk in CARMELINA. *Circulation*, **2019**, 139, 351-361	16.7	103

215	Diet intervention and cerebrospinal fluid biomarkers in amnestic mild cognitive impairment. *Archives of Neurology*, **2011**, 68, 743-52		100
214	Visceral adiposity and the prevalence of hypertension in Japanese Americans. *Circulation*, **2003**, 108, 1718-23	16.7	100
213	Increased dietary fat promotes islet amyloid formation and beta-cell secretory dysfunction in a transgenic mouse model of islet amyloid. *Diabetes*, **2003**, 52, 372-9	0.9	91
212	Insulin binding to brain capillaries is reduced in genetically obese, hyperinsulinemic Zucker rats. *Peptides*, **1990**, 11, 467-72	3.8	91
211	Treatment with a somatostatin analog decreases pancreatic B-cell and whole body sensitivity to glucose. *Journal of Clinical Endocrinology and Metabolism*, **1990**, 71, 994-1002	5.6	89
210	Metabolic Contrasts Between Youth and Adults With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes: I. Observations Using the Hyperglycemic Clamp. *Diabetes Care*, **2018**, 41, 1696-1706	14.6	89
209	Update and Next Steps for Real-World Translation of Interventions for Type 2 Diabetes Prevention: Reflections From a Diabetes Care EditorsRExpert Forum. *Diabetes Care*, **2016**, 39, 1186-201	14.6	86
208	Metformin for diabetes prevention: insights gained from the Diabetes Prevention Program/Diabetes Prevention Program Outcomes Study. *Diabetologia*, **2017**, 60, 1601-1611	10.3	86
207	Impact of intra-abdominal fat and age on insulin sensitivity and beta-cell function. *Diabetes*, **2004**, 53, 2867-72	0.9	85
206	Genetic predictors of weight loss and weight regain after intensive lifestyle modification, metformin treatment, or standard care in the Diabetes Prevention Program. *Diabetes Care*, **2012**, 35, 363-6	14.6	84
205	Optimum BMI cut points to screen asian americans for type 2 diabetes. *Diabetes Care*, **2015**, 38, 814-20	14.6	82
204	Acute effect of roux-en-y gastric bypass on whole-body insulin sensitivity: a study with the euglycemic-hyperinsulinemic clamp. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 3871-5	5.6	82
203	Comparison of a clinical model, the oral glucose tolerance test, and fasting glucose for prediction of type 2 diabetes risk in Japanese Americans. *Diabetes Care*, **2003**, 26, 758-63	14.6	82
202	Effects of insulin resistance and obesity on lipoproteins and sensitivity to egg feeding. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1437-43	9.4	82
201	Differential effects of abdominal adipose tissue distribution on insulin sensitivity in black and white South African women. *Obesity*, **2009**, 17, 1506-12	8	80
200	Cholesterol feeding increases C-reactive protein and serum amyloid A levels in lean insulin-sensitive subjects. *Circulation*, **2005**, 111, 3058-62	16.7	80
199	Continuous measurement of oxygen consumption by pancreatic islets. *Diabetes Technology and Therapeutics*, **2002**, 4, 661-72	8.1	79
198	Enhanced cortisol production rates, free cortisol, and 11beta-HSD-1 expression correlate with visceral fat and insulin resistance in men: effect of weight loss. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 296, E351-7	6	78

197	Long-term treatment with rosiglitazone and metformin reduces the extent of, but does not prevent, islet amyloid deposition in mice expressing the gene for human islet amyloid polypeptide. *Diabetes*, **2005**, 54, 2235-44	0.9	78
196	Current status of islet cell replacement and regeneration therapy. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 1034-43	5.6	77
195	Quantifying □cells in health and disease: the past, the present, and the need. *Diabetes Care*, **2013**, 36, 4-5	14.6	75
194	Impact of Insulin and Metformin Versus Metformin Alone on □Cell Function in Youth With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes. *Diabetes Care*, **2018**, 41, 1717-1725	14.6	74
193	Direct autocrine action of insulin on □cells: does it make physiological sense?. *Diabetes*, **2013**, 62, 2157-63	0.9	71
192	Change in visceral adiposity independently predicts a greater risk of developing type 2 diabetes over 10 years in Japanese Americans. *Diabetes Care*, **2013**, 36, 289-93	14.6	71
191	Insulin response in relation to insulin sensitivity: an appropriate beta-cell response in black South African women. *Diabetes Care*, **2009**, 32, 860-5	14.6	69
190	Importance of early phase insulin secretion to intravenous glucose tolerance in subjects with type 2 diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 5824-9	5.6	69
189	Effects of weight loss, weight cycling, and weight loss maintenance on diabetes incidence and change in cardiometabolic traits in the Diabetes Prevention Program. *Diabetes Care*, **2014**, 37, 2738-45	14.6	68
188	Factors associated with diabetes onset during metformin versus placebo therapy in the diabetes prevention program. *Diabetes*, **2007**, 56, 1153-9	0.9	66
187	Impaired Glucose and Insulin Homeostasis in Moderate-Severe CKD. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 2861-71	12.7	65
186	Diet-induced weight loss is associated with an improvement in beta-cell function in older men. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 2704-10	5.6	65
185	Impact of differences in fasting glucose and glucose tolerance on the hyperbolic relationship between insulin sensitivity and insulin responses. *Diabetes Care*, **2006**, 29, 356-62	14.6	64
184	The visceral adiposity syndrome in Japanese-American men. *Obesity*, **1994**, 2, 364-71		64
183	Contribution of metabolic factors to alanine aminotransferase activity in persons with other causes of liver disease. *Gastroenterology*, **2005**, 128, 627-35	13.3	63
182	Low clusterin levels in high-density lipoprotein associate with insulin resistance, obesity, and dyslipoproteinemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2528-34	9.4	62
181	We can change the natural history of type 2 diabetes. *Diabetes Care*, **2014**, 37, 2668-76	14.6	59
180	Patterns of insulin concentration during the OGTT predict the risk of type 2 diabetes in Japanese Americans. *Diabetes Care*, **2013**, 36, 1229-35	14.6	59

179	Effect of 1 year of an intentional weight loss intervention on bone mineral density in type 2 diabetes: results from the Look AHEAD randomized trial. *Journal of Bone and Mineral Research*, **2012**, 27, 619-27	6.3	58
178	Renal function in type 2 diabetes with rosiglitazone, metformin, and glyburide monotherapy. *Clinical Journal of the American Society of Nephrology: CJASN*, **2011**, 6, 1032-40	6.9	58
177	Improvement of BMI, body composition, and body fat distribution with lifestyle modification in Japanese Americans with impaired glucose tolerance. *Diabetes Care*, **2002**, 25, 1504-10	14.6	56
176	Fibrinolytic response during exercise and epinephrine infusion in the same subjects. *Journal of the American College of Cardiology*, **1992**, 19, 1412-20	15.1	56
175	COVID-19 in People With Diabetes: Urgently Needed Lessons From Early Reports. *Diabetes Care*, **2020**, 43, 1378-1381	14.6	55
174	Relationship of insulin sensitivity and ApoB levels to intra-abdominal fat in subjects with familial combined hyperlipidemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 567-72	9.4	55
173	Type 2 diabetes and the metabolic syndrome in Japanese Americans. *Diabetes Research and Clinical Practice*, **2000**, 50 Suppl 2, S73-6	7.4	54
172	Long-term Effects of Metformin on Diabetes Prevention: Identification of Subgroups That Benefited Most in the Diabetes Prevention Program and Diabetes Prevention Program Outcomes Study. *Diabetes Care*, **2019**, 42, 601-608	14.6	53
171	Ethnic differences in serum lipoproteins and their determinants in South African women. *Metabolism: Clinical and Experimental*, **2010**, 59, 1341-50	12.7	53
170	A reduced-fat diet and aerobic exercise in Japanese Americans with impaired glucose tolerance decreases intra-abdominal fat and improves insulin sensitivity but not beta-cell function. *Diabetes*, **2005**, 54, 340-7	0.9	53
169	Effect of troglitazone on B cell function, insulin sensitivity, and glycemic control in subjects with type 2 diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1998**, 83, 819-23	5.6	53
168	Islet amyloid formation is an important determinant for inducing islet inflammation in high-fat-fed human IAPP transgenic mice. *Diabetologia*, **2014**, 57, 1884-8	10.3	52
167	Incretin therapy and islet pathology: a time for caution. *Diabetes*, **2013**, 62, 2178-80	0.9	52
166	Effects of sex and hormone replacement therapy use on the prevalence of isolated impaired fasting glucose and isolated impaired glucose tolerance in subjects with a family history of type 2 diabetes. *Diabetes*, **2006**, 55, 3529-35	0.9	52
165	Genetic Predisposition to Weight Loss and Regain With Lifestyle Intervention: Analyses From the Diabetes Prevention Program and the Look AHEAD Randomized Controlled Trials. *Diabetes*, **2015**, 64, 4312-21	0.9	51
164	Review of methods for measuring □cell function: Design considerations from the Restoring Insulin Secretion (RISE) Consortium. *Diabetes, Obesity and Metabolism*, **2018**, 20, 14-24	6.7	50
163	Physical activity, sedentary behaviors, and estimated insulin sensitivity and secretion in pregnant and non-pregnant women. *BMC Pregnancy and Childbirth*, **2011**, 11, 44	3.2	50
162	Visceral fat resection in humans: effect on insulin sensitivity, beta-cell function, adipokines, and inflammatory markers. *Obesity*, **2013**, 21, E182-9	8	49

161	Body mass index is associated with increased creatinine clearance by a mechanism independent of body fat distribution. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 3781-8	5.6	47
160	Changes in body composition over 8 years in a randomized trial of a lifestyle intervention: the look AHEAD study. *Obesity*, **2015**, 23, 565-72	8	46
159	Inhibition of glycosaminoglycan synthesis and protein glycosylation with WAS-406 and azaserine result in reduced islet amyloid formation in vitro. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C1586-93	5.4	46
158	Effect of a long-term intensive lifestyle intervention on prevalence of cognitive impairment. *Neurology*, **2017**, 88, 2026-2035	6.5	45
157	The association of ENPP1 K121Q with diabetes incidence is abolished by lifestyle modification in the diabetes prevention program. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 449-55	5.6	45
156	Colesevelam improves oral but not intravenous glucose tolerance by a mechanism independent of insulin sensitivity and □cell function. *Diabetes Care*, **2012**, 35, 1119-25	14.6	45
155	Modestly elevated glucose levels during pregnancy are associated with a higher risk of future diabetes among women without gestational diabetes mellitus. *Diabetes Care*, **2008**, 31, 1037-9	14.6	43
154	The Effect of Intentional Weight Loss on Fracture Risk in Persons With Diabetes: Results From the Look AHEAD Randomized Clinical Trial. *Journal of Bone and Mineral Research*, **2017**, 32, 2278-2287	6.3	41
153	Relationship of liver enzymes to insulin sensitivity and intra-abdominal fat. *Diabetes Care*, **2007**, 30, 2673-8	14.6	41
152	Increased Visceral Adipose Tissue Is an Independent Predictor for Future Development of Atherogenic Dyslipidemia. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 678-85	5.6	39
151	Reduced pancreatic B cell compensation to the insulin resistance of aging: impact on proinsulin and insulin levels. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 2275-80	5.6	38
150	The relative associations of □cell function and insulin sensitivity with glycemic status and incident glycemic progression in migrant Asian Indians in the United States: the MASALA study. *Journal of Diabetes and Its Complications*, **2014**, 28, 45-50	3.2	37
149	Paricalcitol does not improve glucose metabolism in patients with stage 3-4 chronic kidney disease. *Kidney International*, **2013**, 83, 323-30	9.9	37
148	Effect of heparin on insulin-glucose interactions measured by the minimal model technique: implications for reproducibility using this method. *Metabolism: Clinical and Experimental*, **1993**, 42, 353-7	12.7	37
147	Proteoglycans synthesized and secreted by pancreatic islet beta-cells bind amylin. *Archives of Biochemistry and Biophysics*, **2003**, 413, 182-90	4.1	36
146	Effect of intensive endurance training on lipoprotein profiles in young and older men. *Metabolism: Clinical and Experimental*, **1992**, 41, 649-54	12.7	36
145	Effects of genetic variants previously associated with fasting glucose and insulin in the Diabetes Prevention Program. *PLoS ONE*, **2012**, 7, e44424	3.7	35
144	Gestational diabetes or lesser degrees of glucose intolerance and risk of preeclampsia. *Hypertension in Pregnancy*, **2011**, 30, 153-63	2	35

143	Tirzepatide versus insulin glargine in type 2 diabetes and increased cardiovascular risk (SURPASS-4): a randomised, open-label, parallel-group, multicentre, phase 3 trial. *Lancet, The*, **2021**, 398, 1811-1824	40	35
142	Hepatic Insulin Extraction in NAFLD Is Related to Insulin Resistance Rather Than Liver Fat Content. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 1855-1865	5.6	34
141	Rosiglitazone decreases C-reactive protein to a greater extent relative to glyburide and metformin over 4 years despite greater weight gain: observations from a Diabetes Outcome Progression Trial (ADOPT). *Diabetes Care*, **2010**, 33, 177-83	14.6	34
140	Insulin, C-peptide, and leptin concentrations predict increased visceral adiposity at 5- and 10-year follow-ups in nondiabetic Japanese Americans. *Diabetes*, **2005**, 54, 985-90	0.9	34
139	Glucose- and time-dependence of islet amyloid formation in vitro. *Biochemical and Biophysical Research Communications*, **2007**, 354, 234-9	3.4	33
138	Change in Intra-Abdominal Fat Predicts the Risk of Hypertension in Japanese Americans. *Hypertension*, **2015**, 66, 134-40	8.5	32
137	Factors affecting the decline in incidence of diabetes in the Diabetes Prevention Program Outcomes Study (DPPOS). *Diabetes*, **2015**, 64, 989-98	0.9	32
136	Triglyceride response to an intensive lifestyle intervention is enhanced in carriers of the GCKR Pro446Leu polymorphism. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E1142-7	5.6	32
135	PLTP activity decreases with weight loss: changes in PLTP are associated with changes in subcutaneous fat and FFA but not IAF or insulin sensitivity. *Journal of Lipid Research*, **2003**, 44, 1705-12	6.3	32
134	Importance of Early Phase Insulin Secretion to Intravenous Glucose Tolerance in Subjects with Type 2 Diabetes Mellitus		32
133	Insulin and amylin release are both diminished in first-degree relatives of subjects with type 2 diabetes. *Diabetes Care*, **2002**, 25, 292-7	14.6	31
132	Early beta cell dysfunction vs insulin hypersecretion as the primary event in the pathogenesis of dysglycaemia. *Diabetologia*, **2020**, 63, 2007-2021	10.3	31
131	Lack of Durable Improvements in β-Cell Function Following Withdrawal of Pharmacological Interventions in Adults With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes. *Diabetes Care*, **2019**, 42, 1742-1751	14.6	30
130	Regression From Prediabetes to Normal Glucose Regulation and Prevalence of Microvascular Disease in the Diabetes Prevention Program Outcomes Study (DPPOS). *Diabetes Care*, **2019**, 42, 1809-1815	14.6	30
129	Risk Factors for Type 2 Diabetes: Lessons Learned from Japanese Americans in Seattle. *Journal of Diabetes Investigation*, **2012**, 3, 212-224	3.9	30
128	Variation at the melanocortin 4 receptor gene and response to weight-loss interventions in the diabetes prevention program. *Obesity*, **2013**, 21, E520-6	8	29
127	Neprilysin impedes islet amyloid formation by inhibition of fibril formation rather than peptide degradation. *Journal of Biological Chemistry*, **2010**, 285, 18177-83	5.4	29
126	Plasma sterol evidence for decreased absorption and increased synthesis of cholesterol in insulin resistance and obesity. *American Journal of Clinical Nutrition*, **2011**, 94, 1182-8	7	29

125	Evidence That the Sympathetic Nervous System Elicits Rapid, Coordinated, and Reciprocal Adjustments of Insulin Secretion and Insulin Sensitivity During Cold Exposure. *Diabetes*, **2017**, 66, 823-834	0.9	28
124	Lifestyle and Metformin Ameliorate Insulin Sensitivity Independently of the Genetic Burden of Established Insulin Resistance Variants in Diabetes Prevention Program Participants. *Diabetes*, **2016**, 65, 520-6	0.9	27
123	Insulin resistance is the best predictor of the metabolic syndrome in subjects with a first-degree relative with type 2 diabetes. *Obesity*, **2010**, 18, 1781-7	8	27
122	Reduced gluteal expression of adipogenic and lipogenic genes in Black South African women is associated with obesity-related insulin resistance. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E2029-33	5.6	27
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