

Ralph A Defronzo

List of Publications by Citations

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214
papers

20,935
citations

59
h-index

144
g-index

228
ext. papers

23,774
ext. citations

10.4
avg, IF

7.14
L-index

#	Paper	IF	Citations
214	Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. <i>Diabetes Care</i> , 1991 , 14, 173-94	14.6	3010
213	Banting Lecture. From the triumvirate to the ominous octet: a new paradigm for the treatment of type 2 diabetes mellitus. <i>Diabetes</i> , 2009 , 58, 773-95	0.9	1832
212	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
211	Quantitation of muscle glycogen synthesis in normal subjects and subjects with non-insulin-dependent diabetes by ¹³ C nuclear magnetic resonance spectroscopy. <i>New England Journal of Medicine</i> , 1990 , 322, 223-8	59.2	1052
210	Efficacy of metformin in patients with non-insulin-dependent diabetes mellitus. The Multicenter Metformin Study Group. <i>New England Journal of Medicine</i> , 1995 , 333, 541-9	59.2	1049
209	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016 , 536, 41-47	50.4	704
208	Type 2 diabetes mellitus. <i>Nature Reviews Disease Primers</i> , 2015 , 1, 15019	51.1	651
207	Pioglitazone for diabetes prevention in impaired glucose tolerance. <i>New England Journal of Medicine</i> , 2011 , 364, 1104-15	59.2	537
206	Dapagliflozin improves muscle insulin sensitivity but enhances endogenous glucose production. <i>Journal of Clinical Investigation</i> , 2014 , 124, 509-14	15.9	514
205	Fasting hyperglycemia in non-insulin-dependent diabetes mellitus: contributions of excessive hepatic glucose production and impaired tissue glucose uptake. <i>Metabolism: Clinical and Experimental</i> , 1989 , 38, 387-95	12.7	451
204	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
203	Epinephrine-induced insulin resistance in man. <i>Journal of Clinical Investigation</i> , 1980 , 65, 717-21	15.9	404
202	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
201	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
200	Insulin secretion and action in subjects with impaired fasting glucose and impaired glucose tolerance: results from the Veterans Administration Genetic Epidemiology Study. <i>Diabetes</i> , 2006 , 55, 1430-5	0.9	384
199	Pathogenesis of insulin resistance in skeletal muscle. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 476279		325
198	Effects of exenatide versus sitagliptin on postprandial glucose, insulin and glucagon secretion, gastric emptying, and caloric intake: a randomized, cross-over study. <i>Current Medical Research and Opinion</i> , 2008 , 24, 2943-52	2.5	321

197	Mechanism of metformin action in obese and lean noninsulin-dependent diabetic subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991 , 73, 1294-301	5.6	317
196	CONSENSUS STATEMENT BY THE AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS AND AMERICAN COLLEGE OF ENDOCRINOLOGY ON THE COMPREHENSIVE TYPE 2 DIABETES MANAGEMENT ALGORITHM - 2017 EXECUTIVE SUMMARY. <i>Endocrine Practice</i> , 2017 , 23, 207-238	3.2	302
195	Role of sodium-glucose cotransporter 2 (SGLT 2) inhibitors in the treatment of type 2 diabetes. <i>Endocrine Reviews</i> , 2011 , 32, 515-31	27.2	292
194	Renal, metabolic and cardiovascular considerations of SGLT2 inhibition. <i>Nature Reviews Nephrology</i> , 2017 , 13, 11-26	14.9	265
193	Contributions of beta-cell dysfunction and insulin resistance to the pathogenesis of impaired glucose tolerance and impaired fasting glucose. <i>Diabetes Care</i> , 2006 , 29, 1130-9	14.6	262
192	What is the best predictor of future type 2 diabetes?. <i>Diabetes Care</i> , 2007 , 30, 1544-8	14.6	258
191	The disposal of an oral glucose load in patients with non-insulin-dependent diabetes. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 79-85	12.7	235
190	SGLT2 Inhibitors and Cardiovascular Risk: Lessons Learned From the EMPA-REG OUTCOME Study. <i>Diabetes Care</i> , 2016 , 39, 717-25	14.6	211
189	Combination of empagliflozin and linagliptin as second-line therapy in subjects with type 2 diabetes inadequately controlled on metformin. <i>Diabetes Care</i> , 2015 , 38, 384-93	14.6	210
188	The dipeptidyl peptidase IV inhibitor vildagliptin suppresses endogenous glucose production and enhances islet function after single-dose administration in type 2 diabetic patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1249-55	5.6	207
187	Characterization of renal glucose reabsorption in response to dapagliflozin in healthy subjects and subjects with type 2 diabetes. <i>Diabetes Care</i> , 2013 , 36, 3169-76	14.6	193
186	The Primary Glucose-Lowering Effect of Metformin Resides in the Gut, Not the Circulation: Results From Short-term Pharmacokinetic and 12-Week Dose-Ranging Studies. <i>Diabetes Care</i> , 2016 , 39, 198-205	14.6	182
185	Novel hypothesis to explain why SGLT2 inhibitors inhibit only 30-50% of filtered glucose load in humans. <i>Diabetes</i> , 2013 , 62, 3324-8	0.9	163
184	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
183	Effect of strict glycemic control on renal hemodynamic response to amino acids and renal enlargement in insulin-dependent diabetes mellitus. <i>New England Journal of Medicine</i> , 1991 , 324, 1626-32	59.2	150
182	Effect of a sustained reduction in plasma free fatty acid concentration on intramuscular long-chain fatty Acyl-CoAs and insulin action in type 2 diabetic patients. <i>Diabetes</i> , 2005 , 54, 3148-53	0.9	146
181	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
180	Mechanism of action of exenatide to reduce postprandial hyperglycemia in type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E846-52	6	132

179	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019 , 570, 71-76	50.4	129
178	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
177	Regulation of hepatic glucose metabolism in humans. <i>Diabetes/metabolism Reviews</i> , 1987 , 3, 415-59		122
176	Rosiglitazone improves downstream insulin receptor signaling in type 2 diabetic patients. <i>Diabetes</i> , 2003 , 52, 1943-50	0.9	116
175	The role of fractional glucose extraction in the regulation of splanchnic glucose metabolism in normal and diabetic man. <i>Metabolism: Clinical and Experimental</i> , 1980 , 29, 28-35	12.7	109
174	Metabolic basis of obesity and noninsulin-dependent diabetes mellitus. <i>Diabetes/metabolism Reviews</i> , 1988 , 4, 727-47		104
173	Dapagliflozin lowers plasma glucose concentration and improves β cell function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1927-32	5.6	97
172	APPL1 potentiates insulin sensitivity by facilitating the binding of IRS1/2 to the insulin receptor. <i>Cell Reports</i> , 2014 , 7, 1227-38	10.6	90
171	Effects of exenatide plus rosiglitazone on beta-cell function and insulin sensitivity in subjects with type 2 diabetes on metformin. <i>Diabetes Care</i> , 2010 , 33, 951-7	14.6	90
170	Combination therapy with GLP-1 receptor agonist and SGLT2 inhibitor. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 1353-1362	6.7	88
169	Distinct β cell defects in impaired fasting glucose and impaired glucose tolerance. <i>Diabetes</i> , 2012 , 61, 447-53	0.9	88
168	Insulin Resistance and Atherosclerosis: Implications for Insulin-Sensitizing Agents. <i>Endocrine Reviews</i> , 2019 , 40, 1447-1467	27.2	85
167	Renal sodium-glucose cotransporter inhibition in the management of type 2 diabetes mellitus. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, F889-900	4.3	82
166	Cardiovascular Disease and Type 2 Diabetes: Has the Dawn of a New Era Arrived?. <i>Diabetes Care</i> , 2017 , 40, 813-820	14.6	78
165	Pioglitazone slows progression of atherosclerosis in prediabetes independent of changes in cardiovascular risk factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 393-9	9.4	78
164	In vivo actions of peroxisome proliferator-activated receptors: glycemic control, insulin sensitivity, and insulin secretion. <i>Diabetes Care</i> , 2013 , 36 Suppl 2, S162-74	14.6	72
163	Physiological and molecular determinants of insulin action in the baboon. <i>Diabetes</i> , 2008 , 57, 899-908	0.9	71
162	Prevention of diabetes with pioglitazone in ACT NOW: physiologic correlates. <i>Diabetes</i> , 2013 , 62, 3920-6	0.9	68

161	Glucagon dose-response curve for hepatic glucose production and glucose disposal in type 2 diabetic patients and normal individuals. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 1111-9	12.7	67
160	Once-daily delayed-release metformin lowers plasma glucose and enhances fasting and postprandial GLP-1 and PYY: results from two randomised trials. <i>Diabetologia</i> , 2016 , 59, 1645-54	10.3	67
159	Effects of pioglitazone on intramyocellular fat metabolism in patients with type 2 diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1916-23	5.6	64
158	Sensitivity of insulin secretion to feedback inhibition by hyperinsulinaemia. <i>European Journal of Endocrinology</i> , 1981 , 98, 81-6	6.5	64
157	Pioglitazone: The forgotten, cost-effective cardioprotective drug for type 2 diabetes. <i>Diabetes and Vascular Disease Research</i> , 2019 , 16, 133-143	3.3	63
156	Pathophysiology of diabetic kidney disease: impact of SGLT2 inhibitors. <i>Nature Reviews Nephrology</i> , 2021 , 17, 319-334	14.9	59
155	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
154	Measurement of abdominal fat with T1-weighted MR images. <i>Journal of Magnetic Resonance Imaging</i> , 1991 , 1, 363-9	5.6	58
153	Influence of hyperinsulinaemia on intracellular amino acid levels and amino acid exchange across splanchnic and leg tissues in uraemia. <i>Clinical Science</i> , 1988 , 74, 155-63	6.5	54
152	Nox2 mediates skeletal muscle insulin resistance induced by a high fat diet. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13427-39	5.4	52
151	Impaired early- but not late-phase insulin secretion in subjects with impaired fasting glucose. <i>Acta Diabetologica</i> , 2011 , 48, 209-17	3.9	46
150	Determinants of the increase in ketone concentration during SGLT2 inhibition in NGT, IFG and T2DM patients. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 809-813	6.7	44
149	Mechanisms of glucose lowering of dipeptidyl peptidase-4 inhibitor sitagliptin when used alone or with metformin in type 2 diabetes: a double-tracer study. <i>Diabetes Care</i> , 2013 , 36, 2756-62	14.6	43
148	Empagliflozin and Kinetics of Renal Glucose Transport in Healthy Individuals and Individuals With Type 2 Diabetes. <i>Diabetes</i> , 2017 , 66, 1999-2006	0.9	38
147	Effect of insulin and plasma amino acid concentration on leucine metabolism in cirrhosis. <i>Hepatology</i> , 1991 , 14, 432-441	11.2	37
146	Endogenous Glucose Production and Hormonal Changes in Response to Canagliflozin and Liraglutide Combination Therapy. <i>Diabetes</i> , 2018 , 67, 1182-1189	0.9	36
145	Role of glycated hemoglobin in the prediction of future risk of T2DM. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 2596-600	5.6	35
144	Pioglitazone Improves Left Ventricular Diastolic Function in Subjects With Diabetes. <i>Diabetes Care</i> , 2017 , 40, 1530-1536	14.6	34

143	Transcriptomic identification of ADH1B as a novel candidate gene for obesity and insulin resistance in human adipose tissue in Mexican Americans from the Veterans Administration Genetic Epidemiology Study (VAGES). <i>PLoS ONE</i> , 2015 , 10, e0119941	3.7	33
142	A Loss-of-Function Splice Acceptor Variant in Is Protective for Type 2 Diabetes. <i>Diabetes</i> , 2017 , 66, 2903-2914	2.9	32
141	Is It Time to Change the Type 2 Diabetes Treatment Paradigm? Yes! GLP-1 RAs Should Replace Metformin in the Type 2 Diabetes Algorithm. <i>Diabetes Care</i> , 2017 , 40, 1121-1127	14.6	32
140	Successful β cells islet regeneration in streptozotocin-induced diabetic baboons using ultrasound-targeted microbubble gene therapy with cyclinD2/CDK4/GLP1. <i>Cell Cycle</i> , 2014 , 13, 1145-51	4.7	29
139	Decreased non-insulin-dependent glucose clearance contributes to the rise in fasting plasma glucose in the nondiabetic range. <i>Diabetes Care</i> , 2008 , 31, 311-5	14.6	29
138	Reciprocal Variations in Insulin-Stimulated Glucose Uptake and Pancreatic Insulin Secretion in Women With Normal Glucose Tolerance. <i>Journal of the Society for Gynecologic Investigation</i> , 1995 , 2, 708-715		27
137	Combination Therapy With Exenatide Plus Pioglitazone Versus Basal/Bolus Insulin in Patients With Poorly Controlled Type 2 Diabetes on Sulfonylurea Plus Metformin: The Qatar Study. <i>Diabetes Care</i> , 2017 , 40, 325-331	14.6	26
136	The disposition index does not reflect β cell function in IGT subjects treated with pioglitazone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 3774-81	5.6	25
135	Transcriptomics in type 2 diabetes: Bridging the gap between genotype and phenotype. <i>Genomics Data</i> , 2016 , 8, 25-36		25
134	Predictive models of insulin resistance derived from simple morphometric and biochemical indices related to obesity and the metabolic syndrome in baboons. <i>Cardiovascular Diabetology</i> , 2009 , 8, 22	8.7	24
133	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. <i>Scientific Data</i> , 2017 , 4, 170179	8.2	22
132	Insulin Resistance the Link between T2DM and CVD: Basic Mechanisms and Clinical Implications. <i>Current Vascular Pharmacology</i> , 2019 , 17, 153-163	3.3	22
131	Genome-wide linkage scan for genes influencing plasma triglyceride levels in the Veterans Administration Genetic Epidemiology Study. <i>Diabetes</i> , 2009 , 58, 279-84	0.9	21
130	Combination Therapy With Canagliflozin Plus Liraglutide Exerts Additive Effect on Weight Loss, but Not on HbA _{1c} , in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2020 , 43, 1234-1241	14.6	18
129	Exenatide: first-in-class incretin mimetic for the treatment of Type 2 diabetes mellitus. <i>Expert Review of Endocrinology and Metabolism</i> , 2006 , 1, 329-341	4.1	18
128	Effect of Chronic Hyperglycemia on Glucose Metabolism in Subjects With Normal Glucose Tolerance. <i>Diabetes</i> , 2018 , 67, 2507-2517	0.9	18
127	Adaptation of Insulin Clearance to Metabolic Demand Is a Key Determinant of Glucose Tolerance. <i>Diabetes</i> , 2021 , 70, 377-385	0.9	17
126	Effect of hyperinsulinemia on plasma leptin concentrations and food intake in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E998-E1001	6	16

125	Empagliflozin and linagliptin combination therapy for treatment of patients with type 2 diabetes mellitus. <i>Expert Opinion on Pharmacotherapy</i> , 2015 , 16, 2819-33	4	15
124	Combined acute hyperglycemic and hyperinsulinemic clamp induced profibrotic and proinflammatory responses in the kidney. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C202-11	5.4	14
123	Inhibition of Renal Sodium-Glucose Cotransport With Empagliflozin Lowers Fasting Plasma Glucose and Improves β Cell Function in Subjects With Impaired Fasting Glucose. <i>Diabetes</i> , 2017 , 66, 2495-2502	0.9	12
122	Chronic continuous exenatide infusion does not cause pancreatic inflammation and ductal hyperplasia in non-human primates. <i>American Journal of Pathology</i> , 2015 , 185, 139-50	5.8	12
121	Mild Physiologic Hyperglycemia Induces Hepatic Insulin Resistance in Healthy Normal Glucose-Tolerant Participants. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 2842-2850	5.6	11
120	Classification of diabetes mellitus and other categories of glucose intolerance 2015 , 1-16		11
119	Evidence Against an Important Role of Plasma Insulin and Glucagon Concentrations in the Increase in EGP Caused by SGLT2 Inhibitors. <i>Diabetes</i> , 2020 , 69, 681-688	0.9	11
118	Baseline adiponectin levels do not influence the response to pioglitazone in ACT NOW. <i>Diabetes Care</i> , 2014 , 37, 1706-11	14.6	11
117	Reduced skeletal muscle phosphocreatine concentration in type 2 diabetic patients: a quantitative image-based phosphorus-31 MR spectroscopy study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E229-E239	6	10
116	Discordance Between Central (Brain) and Pancreatic Action of Exenatide in Lean and Obese Subjects. <i>Diabetes Care</i> , 2016 , 39, 1804-10	14.6	10
115	Newly Discovered Abnormal Glucose Tolerance in Patients With Acute Myocardial Infarction and Cardiovascular Outcomes: A Meta-analysis. <i>Diabetes Care</i> , 2020 , 43, 1958-1966	14.6	9
114	Accuracy of 1-Hour Plasma Glucose During the Oral Glucose Tolerance Test in Diagnosis of Type 2 Diabetes in Adults: A Meta-analysis. <i>Diabetes Care</i> , 2021 , 44, 1062-1069	14.6	9
113	Efficacy of Exenatide Plus Pioglitazone Vs Basal/Bolus Insulin in T2DM Patients With Very High HbA1c. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2162-2170	5.6	8
112	β Glucosidase inhibitors 2015 , 673-685		8
111	Increase in Endogenous Glucose Production With SGLT2 Inhibition Is Unchanged by Renal Denervation and Correlates Strongly With the Increase in Urinary Glucose Excretion. <i>Diabetes Care</i> , 2020 , 43, 1065-1069	14.6	8
110	Time course of insulin action on tissue-specific intracellular glucose metabolism in normal rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E642-50	6	8
109	Exenatide regulates pancreatic islet integrity and insulin sensitivity in the nonhuman primate baboon <i>Papio hamadryas</i> . <i>JCI Insight</i> , 2019 , 4,	9.9	8
108	Diabetes and sleep apnea 2015 , 316-336		7

107	Increase in endogenous glucose production with SGLT2 inhibition is attenuated in individuals who underwent kidney transplantation and bilateral native nephrectomy. <i>Diabetologia</i> , 2020 , 63, 2423-2433	10.3	7
106	Therapeutic Manipulation of Myocardial Metabolism: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2022-2039	15.1	7
105	Durability of Triple Combination Therapy Versus Stepwise Addition Therapy in Patients With New-Onset T2DM: 3-Year Follow-up of EDICT. <i>Diabetes Care</i> , 2021 , 44, 433-439	14.6	7
104	Ectopic BAT mUCP-1 overexpression in SKM by delivering a BMP7/PRDM16/PGC-1a gene cocktail or single PRMD16 using non-viral UTMD gene therapy. <i>Gene Therapy</i> , 2018 , 25, 497-509	4	6
103	Insulin: The master regulator of glucose metabolism.. <i>Metabolism: Clinical and Experimental</i> , 2022 , 155142.7	12.7	6
102	Pioglitazone corrects dysregulation of skeletal muscle mitochondrial proteins involved in ATP synthesis in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2021 , 114, 154416	12.7	6
101	Insulin actions in vivo: glucose metabolism 2015 , 211-233		5
100	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , 2021 , 12, 3505	17.4	5
99	New Insights on the Interactions Between Insulin Clearance and the Main Glucose Homeostasis Mechanisms. <i>Diabetes Care</i> , 2021 , 44, 2115-2123	14.6	5
98	The economics of diabetes care: a global perspective 2015 , 1113-1124		4
97	Acanthosis nigricans as a composite marker of cardiometabolic risk and its complex association with obesity and insulin resistance in Mexican American children. <i>PLoS ONE</i> , 2020 , 15, e0240467	3.7	4
96	Ultrasound-Targeted Microbubble Destruction Mediates Gene Transfection for Beta-Cell Regeneration and Glucose Regulation. <i>Small</i> , 2021 , 17, e2008177	11	4
95	Effect of Mild Physiologic Hyperglycemia on Insulin Secretion, Insulin Clearance, and Insulin Sensitivity in Healthy Glucose-Tolerant Subjects. <i>Diabetes</i> , 2021 , 70, 204-213	0.9	4
94	Impaired Suppression of Glucagon in Obese Subjects Parallels Decline in Insulin Sensitivity and Beta-Cell Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 1398-1409	5.6	4
93	Connective tissue disorders in diabetes 2015 , 953-963		3
92	Epidemiology of macrovascular disease and hypertension in diabetes mellitus 2015 , 1005-1030		3
91	Diabetic ketoacidosis and hyperosmolar state 2015 , 799-814		3
90	βCell mass and function in human type 2 diabetes 2015 , 354-370		3

89	Glucose toxicity 2015 , 413-425		3
88	Genetic and environmental (physical fitness and sedentary activity) interaction effects on cardiometabolic risk factors in Mexican American children and adolescents. <i>Genetic Epidemiology</i> , 2018 , 42, 378-393	2.6	3
87	Adiponectin Alleviates Diet-Induced Inflammation in the Liver by Suppressing MCP-1 Expression and Macrophage Infiltration. <i>Diabetes</i> , 2021 , 70, 1303-1316	0.9	3
86	Culture on a native bone marrow-derived extracellular matrix restores the pancreatic islet basement membrane, preserves islet function, and attenuates islet immunogenicity. <i>FASEB Journal</i> , 2020 , 34, 8044-8056	0.9	3
85	Association of Baseline Characteristics With Insulin Sensitivity and β Cell Function in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness (GRADE) Study Cohort. <i>Diabetes Care</i> , 2021 , 44, 340-349	14.6	3
84	Proximal tubular epithelial insulin receptor mediates high-fat diet-induced kidney injury. <i>JCI Insight</i> , 2021 , 6,	9.9	3
83	Mechanism of Action of Inhaled Insulin on Whole Body Glucose Metabolism in Subjects with Type 2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
82	Epidemiology and risk factors for type 1 diabetes mellitus 2015 , 17-28		2
81	Sulfonylureas and meglitinides: insights into physiology and translational clinical utility 2015 , 615-640		2
80	Metformin and other biguanides: pharmacology and therapeutic usage 2015 , 641-656		2
79	Pathogenesis of type 2 diabetes mellitus 2015 , 371-400		2
78	Normal β cell function 2015 , 108-124		2
77	Effect of insulin and plasma amino acid concentration on leucine metabolism in cirrhosis 1991 , 14, 432		2
76	Improved Beta Cell Glucose Sensitivity Plays Predominant Role in the Decrease in HbA1c with Cana and Lira in T2DM. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	2
75	Effects of intravenous AICAR (5-aminoimidazole-4-carboximide riboside) administration on insulin signaling and resistance in premature baboons, Papio sp. <i>PLoS ONE</i> , 2018 , 13, e0208757	3.7	2
74	Diabetic retinopathy and other ocular complications 2015 , 889-910		1
73	Clinical features and treatment of coronary heart disease in diabetes 2015 , 1064-1078		1
72	Arterial hypertension in diabetes: etiology and treatment 2015 , 1079-1090		1

71	Treatment of obesity: bariatric surgery 2015 , 505-518		1
70	Glycated hemoglobin, serum proteins, and other markers as tools for monitoring 2015 , 853-871		1
69	Aging and diabetes mellitus 2015 , 836-845		1
68	Combination therapy in type 2 diabetes mellitus 2015 , 686-708		1
67	Treatment of nonalcoholic fatty liver disease (NAFLD) and nonalcoholic steatohepatitis (NASH) 2015 , 292-305		1
66	Pathogenesis of nonalcoholic fatty liver disease (NAFLD) 2015 , 281-291		1
65	Mechanisms of insulin signal transduction 2015 , 161-192		1
64	Regulation of glucose metabolism in liver 2015 , 193-210		1
63	Cell biology of insulin secretion 2015 , 96-107		1
62	Insulin gene expression and biosynthesis 2015 , 82-95		1
61	Pancreatic morphology in normal and diabetic states 2015 , 69-81		1
60	Development and maintenance of the islet cell 2015 , 53-68		1
59	Mechanism of Metformin Action in Obese and Lean Noninsulin-Dependent Diabetic Subjects		1
58	Clinical Parameters, Fuel Oxidation, and Glucose Kinetics in Patients With Type 2 Diabetes Treated With Dapagliflozin Plus Saxagliptin. <i>Diabetes Care</i> , 2020 , 43, 2519-2527	14.6	1
57	Insulin secretion is a strong predictor for need of insulin therapy in patients with new-onset diabetes and HbA1c of more than 10%: A post hoc analysis of the EDICT study. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1631-1639	6.7	1
56	Comment on Piccinini and Bergman. The Measurement of Insulin Clearance. <i>Diabetes Care</i> 2020;43:2296-2302. <i>Diabetes Care</i> , 2021 , 44, e98-e99	14.6	1
55	Dapagliflozin Impairs the Suppression of Endogenous Glucose Production in Type 2 Diabetes Following Oral Glucose.. <i>Diabetes Care</i> , 2022 ,	14.6	1
54	Epidemiology and geography of type 2 diabetes mellitus 2015 , 29-51		0

53	Hemostatic abnormalities in diabetes mellitus 2015 , 1051-1063		o
52	Immunopathogenesis of type 1 diabetes in Western society 2015 , 442-453		o
51	The insulin resistance syndrome 2015 , 337-353		o
50	Metabolomics: applications in type 2 diabetes mellitus and insulin resistance 2015 , 275-280		o
49	Protein metabolism in health and diabetes 2015 , 250-261		o
48	The Insulin-Sensitizer Pioglitazone Remodels Adipose Tissue Phospholipids in Humans.. <i>Frontiers in Physiology</i> , 2021 , 12, 784391	4.6	o
47	Serum carotenoids and Pediatric Metabolic Index predict insulin sensitivity in Mexican American children. <i>Scientific Reports</i> , 2021 , 11, 871	4.9	o
46	Sodium-Glucose Cotransporter 2 Inhibitors and the Kidney. <i>Diabetes Spectrum</i> , 2021 , 34, 225-234	1.9	o
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