Gerald I Shulman

List of Publications by Year
in descending order

521 papers	110,792 citations	131 164 h-index	229 315 g-index
534 all docs	534 docs citations	534 times ranked	81917 citing authors

#	Article	IF	Citations
1	Dyrk1b promotes hepatic lipogenesis by bypassing canonical insulin signaling and directly activating mTORC2 in mice. Journal of Clinical Investigation, 2022, 132, .	3.9	20
2	Sexâ€•and strainâ€specific effects of mitochondrial uncoupling on ageâ€related metabolic diseases in highâ€fat dietâ€fed mice. Aging Cell, 2022, 21, e13539.	3.0	11
3	Brown adipose TRX2 deficiency activates mtDNA-NLRP3 to impair thermogenesis and protect against diet-induced insulin resistance. Journal of Clinical Investigation, 2022, 132, .	3.9	28
4	Bioactive lipids and metabolic syndromeâ€"a symposium report. Annals of the New York Academy of Sciences, 2022, 1511, 87-106.	1.8	5
5	Metformin, phenformin, and galegine inhibit complex IV activity and reduce glycerol-derived gluconeogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122287119.	3.3	37
6	Ethnic and sex differences in hepatic lipid content and related cardiometabolic parameters in lean individuals. JCI Insight, 2022, 7, .	2.3	6
7	Human Kallistatin Ameliorates Insulin Resistance in Diet Induced Obese Mice. Diabetologie Und Stoffwechsel, 2022, , .	0.0	0
8	Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. Diabetes Care, 2021, 44, 489-498.	4.3	42
9	Cellular and Molecular Mechanisms of Metformin Action. Endocrine Reviews, 2021, 42, 77-96.	8.9	279
10	Short-term overnutrition induces white adipose tissue insulin resistance through sn-1,2-diacylglycerol â€" PKCÎµ â€" insulin receptorT1160 phosphorylation. JCI Insight, 2021, 6, .	2.3	13
11	Insulin-stimulated endoproteolytic TUG cleavage links energy expenditure with glucose uptake. Nature Metabolism, 2021, 3, 378-393.	5.1	13
12	An update on brown adipose tissue biology: a discussion of recent findings. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E488-E495.	1.8	50
13	Validation of a Gas Chromatography-Mass Spectrometry Method for the Measurement of the Redox State Metabolic Ratios Lactate/Pyruvate and Î²-Hydroxybutyrate/Acetoacetate in Biological Samples. International Journal of Molecular Sciences, 2021, 22, 4752.	1.8	7
14	Therapeutic potential of mitochondrial uncouplers for the treatment of metabolic associated fatty liver disease and NASH. Molecular Metabolism, 2021, 46, 101178.	3.0	41
15	Point: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E999-E1000.	1.8	3
16	A Single Virtual Consult Reduces Severe Hyperglycemia in Patients Admitted with COVID19 Infection. Journal of the Endocrine Society, 2021, 5, A335-A335.	0.1	0
17	Reply to Carter et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1003-E1003.	1.8	0
18	Mechanisms and disease consequences of nonalcoholic fatty liver disease. Cell, 2021, 184, 2537-2564.	13.5	757

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19	Deletion of the diabetes candidate gene Slc16a13 in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. Communications Biology, 2021, 4, 826.	2.0	6
20	Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. Cell Metabolism, 2021, 33, 1836-1852.e11.	7.2	56
21	Mitophagy-mediated adipose inflammation contributes to type 2 diabetes with hepatic insulin resistance. Journal of Experimental Medicine, 2021, 218, .	4.2	66
22	A feed-forward regulatory loop in adipose tissue promotes signaling by the hepatokine FGF21. Genes and Development, 2021, 35, 133-146.	2.7	26
23	<i>CIDEA</i> expression in SAT from adolescent girls with obesity and unfavorable patterns of abdominal fat distribution. Obesity, 2021, 29, 2068-2080.	1.5	1
24	MMAB promotes negative feedback control of cholesterol homeostasis. Nature Communications, 2021, 12, 6448.	5.8	10
25	IL-27 signalling promotes adipocyte thermogenesis and energy expenditure. Nature, 2021, 600, 314-318.	13.7	70
26	GS-0976 (Firsocostat): an investigational liver-directed acetyl-CoA carboxylase (ACC) inhibitor for the treatment of non-alcoholic steatohepatitis (NASH). Expert Opinion on Investigational Drugs, 2020, 29, 135-141.	1.9	91
27	Dissociation of Muscle Insulin Resistance from Alterations in Mitochondrial Substrate Preference. Cell Metabolism, 2020, 32, 726-735.e5.	7.2	27
28	A MicroRNA Linking Human Positive Selection and Metabolic Disorders. Cell, 2020, 183, 684-701.e14.	13.5	46
29	A Membrane-Bound Diacylglycerol Species Induces PKCÏµ-Mediated Hepatic Insulin Resistance. Cell Metabolism, 2020, 32, 654-664.e5.	7.2	83
30	Obesity-Linked PPARÎ³ S273 Phosphorylation Promotes Insulin Resistance through Growth Differentiation Factor 3. Cell Metabolism, 2020, 32, 665-675.e6.	7.2	53
31	Sodium-glucose cotransporter-2 inhibitors: Understanding the mechanisms for therapeutic promise and persisting risks. Journal of Biological Chemistry, 2020, 295, 14379-14390.	1.6	54
32	Carbohydrate restriction reverses NAFLD by altering hepatic mitochondrial fluxes in humans. Journal of Hepatology, 2020, 73, S14.	1.8	0
33	Myosteatosis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. Frontiers in Physiology, 2020, 11, 963.	1.3	190
34	Membrane-bound sn-1,2-diacylglycerols explain the dissociation of hepatic insulin resistance from hepatic steatosis in MTTP knockout mice. Journal of Lipid Research, 2020, 61, 1565-1576.	2.0	15
35	Mechanisms by which adiponectin reverses high fat diet-induced insulin resistance in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32584-32593.	3.3	82
36	One-leg inactivity induces a reduction in mitochondrial oxidative capacity, intramyocellular lipid accumulation and reduced insulin signalling upon lipid infusion: a human study with unilateral limb suspension. Diabetologia, 2020, 63, 1211-1222.	2.9	18

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37	Regulation of adipose tissue inflammation by interleukin 6. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2751-2760.	3.3	216
38	Glucagon stimulates gluconeogenesis by INSP3R1-mediated hepatic lipolysis. Nature, 2020, 579, 279-283.	13.7	110
39	OGT suppresses S6K1-mediated macrophage inflammation and metabolic disturbance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16616-16625.	3.3	42
40	Mitochondrial Dysfunction, Insulin Resistance, and Potential Genetic Implications. Endocrinology, 2020, 161, .	1.4	96
41	Slc20a1/Pit1 and Slc20a2/Pit2 are essential for normal skeletal myofiber function and survival. Scientific Reports, 2020, 10, 3069.	1.6	12
42	Mechanistic Links between Obesity, Insulin, and Cancer. Trends in Cancer, 2020, 6, 75-78.	3.8	44
43	Metabolic control analysis of hepatic glycogen synthesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8166-8176.	3.3	51
44	Effect of a ketogenic diet on hepatic steatosis and hepatic mitochondrial metabolism in nonalcoholic fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7347-7354.	3.3	137
45	Effect of a Low-Fat Vegan Diet on Body Weight, Insulin Sensitivity, Postprandial Metabolism, and Intramyocellular and Hepatocellular Lipid Levels in Overweight Adults. JAMA Network Open, 2020, 3, e2025454.	2.8	85
46	The omentum of obese girls harbors small adipocytes and browning transcripts. JCI Insight, 2020, 5, .	2.3	8
47	Leptin mediates postprandial increases in body temperature through hypothalamusâ€“adrenal medullaâ€“adipose tissue crosstalk. Journal of Clinical Investigation, 2020, 130, 2001-2016.	3.9	25
48	The effects of increased acetate turnover on glucose-induced insulin secretion in lean and obese humans. Journal of Clinical and Translational Science, 2019, 3, 18-20.	0.3	13
49	Nonalcoholic Fatty Liver Disease, Insulin Resistance, and Ceramides. New England Journal of Medicine, 2019, 381, 1866-1869.	13.9	67
50	Adipsin preserves beta cells in diabetic mice and associates with protection from type 2 diabetes in humans. Nature Medicine, 2019, 25, 1739-1747.	15.2	100
51	Controlled-release mitochondrial protonophore (CRMP) reverses dyslipidemia and hepatic steatosis in dysmetabolic nonhuman primates. Science Translational Medicine, 2019, 11, .	5.8	44
52	Dehydration and insulinopenia are necessary and sufficient forÂeuglycemic ketoacidosis in SGLT2 inhibitor-treated rats. Nature Communications, 2019, 10, 548.	5.8	73
53	Leptinâ€™s hunger-suppressing effects are mediated by the hypothalamicâ€“pituitaryâ€“adrenocortical axis in rodents. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13670-13679.	3.3	64
54	Antiâ€inflammatory effects of oestrogen mediate the sexual dimorphic response to lipidâ€induced insulin resistance. Journal of Physiology, 2019, 597, 3885-3903.	1.3	48

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55	Considering the Links Between Nonalcoholic Fatty Liver Disease and Insulin Resistance: Revisiting the Role of Protein Kinase C Îµ. Hepatology, 2019, 70, 2217-2220.	3.6	6
56	TFAM Enhances Fat Oxidation and Attenuates High-Fat Dietâ€“Induced Insulin Resistance in Skeletal Muscle. Diabetes, 2019, 68, 1552-1564.	0.3	54
57	Cardiac myocyte KLF5 regulates body weight via alteration of cardiac FGF21. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2125-2137.	1.8	13
58	Defective fatty acid oxidation in mice with muscle-specific acyl-CoA synthetase 1 deficiency increases amino acid use and impairs muscle function. Journal of Biological Chemistry, 2019, 294, 8819-8833.	1.6	16
59	Adipose glucocorticoid action influences wholeâ€body metabolism<i>via</i>modulation of hepatic insulin action. FASEB Journal, 2019, 33, 8174-8185.	0.2	12
60	Altered In Vivo Lipid Fluxes and Cell Dynamics in Subcutaneous Adipose Tissues Are Associated With the Unfavorable Pattern of Fat Distribution in Obese Adolescent Girls. Diabetes, 2019, 68, 1168-1177.	0.3	16
61	Hepatic insulin sensitivity is improved in highâ€fat dietâ€fed <i>Park2</i> knockout mice in association with increased hepatic AMPK activation and reduced steatosis. Physiological Reports, 2019, 7, e14281.	0.7	9
62	The integrative biology of type 2 diabetes. Nature, 2019, 576, 51-60.	13.7	621
63	Distinct Hepatic PKA and CDK Signaling Pathways Control Activity-Independent Pyruvate Kinase Phosphorylation and Hepatic Glucose Production. Cell Reports, 2019, 29, 3394-3404.e9.	2.9	8
64	Ectopic lipid deposition mediates insulin resistance in adipose specific 11Î²-hydroxysteroid dehydrogenase type 1 transgenic mice. Metabolism: Clinical and Experimental, 2019, 93, 1-9.	1.5	11
65	Emerging Pharmacological Targets for the Treatment of Nonalcoholic Fatty Liver Disease, Insulin Resistance, and Type 2 Diabetes. Annual Review of Pharmacology and Toxicology, 2019, 59, 65-87.	4.2	58
66	Regulation of hepatic mitochondrial oxidation by glucose-alanine cycling during starvation in humans. Journal of Clinical Investigation, 2019, 129, 4671-4675.	3.9	45
67	Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. Cell Reports, 2018, 22, 2133-2145.	2.9	94
68	<i>In vivo</i> studies on the mechanism of methylene cyclopropyl acetic acid and methylene cyclopropyl glycine-induced hypoglycemia. Biochemical Journal, 2018, 475, 1063-1074.	1.7	8
69	Angptl8 antisense oligonucleotide improves adipose lipid metabolism and prevents diet-induced NAFLD and hepatic insulin resistance in rodents. Diabetologia, 2018, 61, 1435-1446.	2.9	52
70	Skeletal Muscleâ€“Specific Deletion of MKP-1 Reveals a p38 MAPK/JNK/Akt Signaling Node That Regulates Obesity-Induced Insulin Resistance. Diabetes, 2018, 67, 624-635.	0.3	63
71	Leptin Mediates a Glucose-Fatty Acid Cycle to Maintain Glucose Homeostasis in Starvation. Cell, 2018, 172, 234-248.e17.	13.5	125
72	Nonalcoholic Fatty Liver Disease as a Nexus of Metabolic and Hepatic Diseases. Cell Metabolism, 2018, 27, 22-41.	7.2	496

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73	Adipocyte JAK2 Regulates Hepatic Insulin Sensitivity Independently of Body Composition, Liver Lipid Content, and Hepatic Insulin Signaling. Diabetes, 2018, 67, 208-221.	0.3	19
74	Mechanisms by which a Very-Low-Calorie Diet Reverses Hyperglycemia in a Rat Model of Type 2 Diabetes. Cell Metabolism, 2018, 27, 210-217.e3.	7.2	71
75	The circulating metabolome of human starvation. JCI Insight, 2018, 3, .	2.3	92
76	Absence of ANGPTL4 in adipose tissue improves glucose tolerance and attenuates atherogenesis. JCI Insight, 2018, 3, .	2.3	91
77	The Role of Leptin in Maintaining Plasma Glucose During Starvation. Postdoc Journal, 2018, 6, 3-19.	0.4	9
78	PKCÎµ contributes to lipid-induced insulin resistance through cross talk with p70S6K and through previously unknown regulators of insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8996-E9005.	3.3	51
79	Acetylâ€CoA Carboxylase Inhibition Reverses NAFLD and Hepatic Insulin Resistance but Promotes Hypertriglyceridemia in Rodents. Hepatology, 2018, 68, 2197-2211.	3.6	172
80	Uncoupling Hepatic Oxidative Phosphorylation Reduces Tumor Growth in Two Murine Models of Colon Cancer. Cell Reports, 2018, 24, 47-55.	2.9	48
81	Loss of Nucleobindin-2 Causes Insulin Resistance in Obesity without Impacting Satiety or Adiposity. Cell Reports, 2018, 24, 1085-1092.e6.	2.9	21
82	Mechanisms of Insulin Action and Insulin Resistance. Physiological Reviews, 2018, 98, 2133-2223.	13.1	1,502
83	Metformin inhibits gluconeogenesis via a redox-dependent mechanism in vivo. Nature Medicine, 2018, 24, 1384-1394.	15.2	200
84	Deciphering the Role of Lipid Droplets in Cardiovascular Disease. Circulation, 2018, 138, 305-315.	1.6	89
85	Elevated hepatic expression of H19 long noncoding RNA contributes to diabetic hyperglycemia. JCI Insight, 2018, 3, .	2.3	57
86	Lacteal junction zippering protects against diet-induced obesity. Science, 2018, 361, 599-603.	6.0	162
87	17Î±-Estradiol Alleviates Age-related Metabolic and Inflammatory Dysfunction in Male Mice Without Inducing Feminization. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 3-15.	1.7	91
88	Loss of astrocyte cholesterol synthesis disrupts neuronal function and alters whole-body metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1189-1194.	3.3	143
89	The human longevity gene homolog INDY and interleukinâ€6 interact in hepatic lipid metabolism. Hepatology, 2017, 66, 616-630.	3.6	55
90	A Non-invasive Method to Assess Hepatic Acetyl-CoA InÂVivo. Cell Metabolism, 2017, 25, 749-756.	7.2	30

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91	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. Diabetes, 2017, 66, 2241-2253.	0.3	124
92	Mitochondrial-Targeted Catalase Protects Against High-Fat Dietâ€“Induced Muscle Insulin Resistance by Decreasing Intramuscular Lipid Accumulation. Diabetes, 2017, 66, 2072-2081.	0.3	45
93	Hepatic Diacylglycerol-Associated Protein Kinase CÎµ Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. Cell Reports, 2017, 19, 1997-2004.	2.9	117
94	Roles of Diacylglycerols and Ceramides in Hepatic Insulin Resistance. Trends in Pharmacological Sciences, 2017, 38, 649-665.	4.0	251
95	Selective Chemical Inhibition of PGC-1Î± Gluconeogenic Activity Ameliorates Type 2 Diabetes. Cell, 2017, 169, 148-160.e15.	13.5	153
96	A controlledâ€‘release mitochondrial protonophore reverses hypertriglyceridemia, nonalcoholic steatohepatitis, and diabetes in lipodystrophic mice. FASEB Journal, 2017, 31, 2916-2924.	0.2	35
97	Hepatic inositol 1,4,5 trisphosphate receptor type 1 mediates fatty liver. Hepatology Communications, 2017, 1, 23-35.	2.0	56
98	Absence of Carbohydrate Response Element Binding Protein in Adipocytes Causes Systemic Insulin Resistance and Impairs Glucose Transport. Cell Reports, 2017, 21, 1021-1035.	2.9	103
99	Non-invasive assessment of hepatic mitochondrial metabolism by positional isotopomer NMR tracer analysis (PINTA). Nature Communications, 2017, 8, 798.	5.8	45
100	Retinol saturase modulates lipid metabolism and the production of reactive oxygen species. Archives of Biochemistry and Biophysics, 2017, 633, 93-102.	1.4	31
101	Pathogenesis of hypothyroidism-induced NAFLD is driven by intra- and extrahepatic mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9172-E9180.	3.3	52
102	Regulation of hepatic glucose metabolism in health and disease. Nature Reviews Endocrinology, 2017, 13, 572-587.	4.3	718
103	Mechanism by which arylamine <i>N</i> -acetyltransferase 1 ablation causes insulin resistance in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11285-E11292.	3.3	49
104	Adipocyte JAK2 mediates growth hormoneâ€“induced hepatic insulin resistance. JCI Insight, 2017, 2, e91001.	2.3	31
105	Mechanism for leptinâ€™s acute insulin-independent effect to reverse diabetic ketoacidosis. Journal of Clinical Investigation, 2017, 127, 657-669.	3.9	58
106	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. Diabetes, 2016, 65, 74-84.	0.3	86
107	The pathogenesis of insulin resistance: integrating signaling pathways and substrate flux. Journal of Clinical Investigation, 2016, 126, 12-22.	3.9	924
108	Assessment of Hepatic Mitochondrial Oxidation and Pyruvate Cycling in NAFLD by 13C Magnetic Resonance Spectroscopy. Cell Metabolism, 2016, 24, 167-171.	7.2	57

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109	Reduced intestinal lipid absorption and body weight-independent improvements in insulin sensitivity in high-fat diet-fed <i>Park2</i> knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E105-E116.	1.8	12
110	CD301b + Mononuclear Phagocytes Maintain Positive Energy Balance through Secretion of Resistin-like Molecule Alpha. Immunity, 2016, 45, 583-596.	6.6	44
111	Resolution of nonâ€alcoholic steatohepatitis after growth hormone replacement in a pediatric liver transplant patient with panhypopituitarism. Pediatric Transplantation, 2016, 20, 1157-1163.	0.5	15
112	MARCH1 regulates insulin sensitivity by controlling cell surface insulin receptor levels. Nature Communications, 2016, 7, 12639.	5.8	66
113	Imeglimin lowers glucose primarily by amplifying glucose-stimulated insulin secretion in high-fat-fed rodents. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E461-E470.	1.8	42
114	Acetate mediates a microbiomeâ€“brainâ€“Î²-cell axis to promote metabolic syndrome. Nature, 2016, 534, 213-217.	13.7	990
115	XBP1s Is an Anti-lipogenic Protein. Journal of Biological Chemistry, 2016, 291, 17394-17404.	1.6	57
116	Hypophosphatemia promotes lower rates of muscle ATP synthesis. FASEB Journal, 2016, 30, 3378-3387.	0.2	70
117	Argininosuccinate synthetase regulates hepatic AMPK linking protein catabolism and ureagenesis to hepatic lipid metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3423-30.	3.3	45
118	Propionate Increases Hepatic Pyruvate Cycling and Anaplerosis and Alters Mitochondrial Metabolism. Journal of Biological Chemistry, 2016, 291, 12161-12170.	1.6	58
119	AMPK is critical for mitochondrial function during reperfusion after myocardial ischemia. Journal of Molecular and Cellular Cardiology, 2016, 91, 104-113.	0.9	62
120	Secondâ€generation antisense oligonucleotides against Î²â€catenin protect mice against dietâ€induced hepatic steatosis and hepatic and peripheral insulin resistance. FASEB Journal, 2016, 30, 1207-1217.	0.2	20
121	Pleotropic effects of leptin to reverse insulin resistance and diabetic ketoacidosis. Diabetologia, 2016, 59, 933-937.	2.9	29
122	Disruption of Adipose Rab10-Dependent Insulin Signaling Causes Hepatic Insulin Resistance. Diabetes, 2016, 65, 1577-1589.	0.3	46
123	Anti-myostatin antibody increases muscle mass and strength and improves insulin sensitivity in old mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2212-2217.	3.3	129
124	A Role of the Inflammasome in the Low Storage Capacity of the Abdominal Subcutaneous Adipose Tissue in Obese Adolescents. Diabetes, 2016, 65, 610-618.	0.3	84
125	Insulin receptor Thr1160 phosphorylation mediates lipid-induced hepatic insulin resistance. Journal of Clinical Investigation, 2016, 126, 4361-4371.	3.9	173
126	Type 2 diabetes mellitus. Nature Reviews Disease Primers, 2015, 1, 15019.	18.1	1,308

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127	Short-term food restriction followed by controlled refeeding promotes gorging behavior, enhances fat deposition, and diminishes insulin sensitivity in mice. Journal of Nutritional Biochemistry, 2015, 26, 721-728.	1.9	24
128	Macrophage-specific de Novo Synthesis of Ceramide Is Dispensable for Inflammasome-driven Inflammation and Insulin Resistance in Obesity. Journal of Biological Chemistry, 2015, 290, 29402-29413.	1.6	50
129	Insulin-independent regulation of hepatic triglyceride synthesis by fatty acids. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1143-1148.	3.3	176
130	Hepatic Acetyl CoA Links Adipose Tissue Inflammation to Hepatic Insulin Resistance and Type 2 Diabetes. Cell, 2015, 160, 745-758.	13.5	547
131	Neuronal UCP1 expression suggests a mechanism for local thermogenesis during hibernation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1607-1612.	3.3	38
132	Acetylation of TUG Protein Promotes the Accumulation of GLUT4 Glucose Transporters in an Insulin-responsive Intracellular Compartment. Journal of Biological Chemistry, 2015, 290, 4447-4463.	1.6	46
133	Reply to Constantin-Teodosiu et al.: Mice with genetic PDH activation are not protected from high-fat dietâ€“induced muscle insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E825-E825.	3.3	3
134	Controlled-release mitochondrial protonophore reverses diabetes and steatohepatitis in rats. Science, 2015, 347, 1253-1256.	6.0	229
135	Response to Burgess. Nature Medicine, 2015, 21, 109-110.	15.2	8
136	Effect of aging on muscle mitochondrial substrate utilization in humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11330-11334.	3.3	72
137	ApoA5 knockdown improves whole-body insulin sensitivity in high-fat-fed mice by reducing ectopic lipid content. Journal of Lipid Research, 2015, 56, 526-536.	2.0	45
138	FGF1 and FGF19 reverse diabetes by suppression of the hypothalamicâ€“pituitaryâ€“adrenal axis. Nature Communications, 2015, 6, 6980.	5.8	106
139	An ERK/Cdk5 axis controls the diabetogenic actions of PPARÎ³. Nature, 2015, 517, 391-395.	13.7	251
140	Hepatic Mitogen-Activated Protein Kinase Phosphatase 1 Selectively Regulates Glucose Metabolism and Energy Homeostasis. Molecular and Cellular Biology, 2015, 35, 26-40.	1.1	69
141	Prevention of diet-induced hepatic steatosis and hepatic insulin resistance by second generation antisense oligonucleotides targeted to the longevity gene mIndy (Slc13a5). Aging, 2015, 7, 1086-1093.	1.4	34
142	Ectopic Fat in Insulin Resistance, Dyslipidemia, and Cardiometabolic Disease. New England Journal of Medicine, 2014, 371, 2236-2238.	13.9	175
143	Mitochondrial GTP Insensitivity Contributes to Hypoglycemia in Hyperinsulinemia Hyperammonemia by Inhibiting Glucagon Release. Diabetes, 2014, 63, 4218-4229.	0.3	20
144	The H19/let-7 double-negative feedback loop contributes to glucose metabolism in muscle cells. Nucleic Acids Research, 2014, 42, 13799-13811.	6.5	218

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145	PKCÎ» Haploinsufficiency Prevents Diabetes by a Mechanism Involving Alterations in Hepatic Enzymes. Molecular Endocrinology, 2014, 28, 1097-1107.	3.7	10
146	Genetic activation of pyruvate dehydrogenase alters oxidative substrate selection to induce skeletal muscle insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16508-16513.	3.3	50
147	Early Life Exposure to Maternal Insulin Resistance Has Persistent Effects on Hepatic NAFLD in Juvenile Nonhuman Primates. Diabetes, 2014, 63, 2702-2713.	0.3	105
148	Impairment of insulin-stimulated glucose transport and ERK activation by adipocyte-specific knockout of PKC-Î» produces a phenotype characterized by diminished adiposity and enhanced insulin suppression of hepatic gluconeogenesis. Adipocyte, 2014, 3, 19-29.	1.3	10
149	Inositol 1,4,5-trisphosphate receptor type II (InsP₃R-II) is reduced in obese mice, but metabolic homeostasis is preserved in mice lacking InsP₃R-II. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1057-E1064.	1.8	18
150	Role of diacylglycerol activation of PKCÎ¸ in lipid-induced muscle insulin resistance in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9597-9602.	3.3	326
151	Ablation of PRDM16 and Beige Adipose Causes Metabolic Dysfunction and a Subcutaneous to Visceral Fat Switch. Cell, 2014, 156, 304-316.	13.5	719
152	A Role for Mitochondrial Phosphoenolpyruvate Carboxykinase (PEPCK-M) in the Regulation of Hepatic Gluconeogenesis. Journal of Biological Chemistry, 2014, 289, 7257-7263.	1.6	87
153	Nonalcoholic fatty liver disease, hepatic insulin resistance, and type 2 Diabetes. Hepatology, 2014, 59, 713-723.	3.6	567
154	Direct assessment of hepatic mitochondrial oxidative and anaplerotic fluxes in humans using dynamic 13C magnetic resonance spectroscopy. Nature Medicine, 2014, 20, 98-102.	15.2	80
155	Metformin suppresses gluconeogenesis by inhibiting mitochondrial glycerophosphate dehydrogenase. Nature, 2014, 510, 542-546.	13.7	989
156	Cyclin D1â€“Cdk4 controls glucose metabolism independently of cell cycle progression. Nature, 2014, 510, 547-551.	13.7	198
157	The Mammalian INDY Homolog Is Induced by CREB in a Rat Model of Type 2 Diabetes. Diabetes, 2014, 63, 1048-1057.	0.3	38
158	Ectopic Fat in Insulin Resistance, Dyslipidemia, and Cardiometabolic Disease. New England Journal of Medicine, 2014, 371, 1131-1141.	13.9	803
159	Niclosamide ethanolamineâ€“induced mild mitochondrial uncoupling improves diabetic symptoms in mice. Nature Medicine, 2014, 20, 1263-1269.	15.2	230
160	Muscle-specific activation of Ca2+/calmodulin-dependent protein kinase IV increases whole-body insulin action in mice. Diabetologia, 2014, 57, 1232-1241.	2.9	12
161	Tissue-Specific Differences in the Development of Insulin Resistance in a Mouse Model for Type 1 Diabetes. Diabetes, 2014, 63, 3856-3867.	0.3	51
162	Leptin reverses diabetes by suppression of the hypothalamic-pituitary-adrenal axis. Nature Medicine, 2014, 20, 759-763.	15.2	178

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163	<i>OstÎ±</i>^{âˆ’/âˆ’}mice exhibit altered expression of intestinal lipid absorption genes, resistance to age-related weight gain, and modestly improved insulin sensitivity. American Journal of Physiology - Renal Physiology, 2014, 306, G425-G438.	1.6	14
164	The role of hepatic lipids in hepatic insulin resistance and type 2 diabetes. Nature, 2014, 510, 84-91.	13.7	898
165	Regulation of Hepatic Energy Metabolism and Gluconeogenesis by BAD. Cell Metabolism, 2014, 19, 272-284.	7.2	67
166	Ceramide-Activated Phosphatase Mediates Fatty Acidâ€“Induced Endothelial VEGF Resistance and Impaired Angiogenesis. American Journal of Pathology, 2014, 184, 1562-1576.	1.9	41
167	Increased Brain Lactate Concentrations Without Increased Lactate Oxidation During Hypoglycemia in Type 1 Diabetic Individuals. Diabetes, 2013, 62, 3075-3080.	0.3	40
168	Mechanisms Underlying the Onset of Oral Lipidâ€“Induced Skeletal Muscle Insulin Resistance in Humans. Diabetes, 2013, 62, 2240-2248.	0.3	102
169	Targeting Pyruvate Carboxylase Reduces Gluconeogenesis and Adiposity and Improves Insulin Resistance. Diabetes, 2013, 62, 2183-2194.	0.3	107
170	A Î²-Peptide Agonist of the GLP-1 Receptor, a Class B GPCR. Organic Letters, 2013, 15, 5318-5321.	2.4	39
171	Reversal of Hypertriglyceridemia, Fatty Liver Disease, and Insulin Resistance by a Liver-Targeted Mitochondrial Uncoupler. Cell Metabolism, 2013, 18, 740-748.	7.2	190
172	Role of caspase-1 in regulation of triglyceride metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4810-4815.	3.3	64
173	Cellular Mechanism by Which Estradiol Protects Female Ovariectomized Mice From High-Fat Diet-Induced Hepatic and Muscle Insulin Resistance. Endocrinology, 2013, 154, 1021-1028.	1.4	154
174	Role of patatinâ€like phospholipase domainâ€containing 3 on lipidâ€induced hepatic steatosis and insulin resistance in rats. Hepatology, 2013, 57, 1763-1772.	3.6	72
175	The Role of the Carbohydrate Response Element-Binding Protein in Male Fructose-Fed Rats. Endocrinology, 2013, 154, 36-44.	1.4	73
176	Cellular Mechanisms by Which FGF21 Improves Insulin Sensitivity in Male Mice. Endocrinology, 2013, 154, 3099-3109.	1.4	184
177	Thyroid hormone receptor-Î² agonists prevent hepatic steatosis in fat-fed rats but impair insulin sensitivity via discrete pathways. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E89-E100.	1.8	84
178	Decreased Transcription of ChREBP-Î±/Î² Isoforms in Abdominal Subcutaneous Adipose Tissue of Obese Adolescents With Prediabetes or Early Type 2 Diabetes. Diabetes, 2013, 62, 837-844.	0.3	93
179	Saturated and unsaturated fat induce hepatic insulin resistance independently of TLR-4 signaling and ceramide synthesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12780-12785.	3.3	85
180	cAMP-responsive Element-binding Protein (CREB)-regulated Transcription Coactivator 2 (CRTC2) Promotes Glucagon Clearance and Hepatic Amino Acid Catabolism to Regulate Glucose Homeostasis. Journal of Biological Chemistry, 2013, 288, 16167-16176.	1.6	19

#	Article	IF	Citations
181	Enhanced Fasting Glucose Turnover in Mice with Disrupted Action of TUG Protein in Skeletal Muscle. Journal of Biological Chemistry, 2013, 288, 20135-20150.	1.6	20
182	CGI-58 knockdown sequesters diacylglycerols in lipid droplets/ER-preventing diacylglycerol-mediated hepatic insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1869-1874.	3.3	137
183	Fish Oil Selectively Improves Heart Function in a Mouse Model of Lipid-induced Cardiomyopathy. Journal of Cardiovascular Pharmacology, 2013, 61, 345-354.	0.8	10
184	Lipid-induced hepatic insulin resistance. Aging, 2013, 5, 582-583.	1.4	32
185	PP2A inhibition results in hepatic insulin resistance despite Akt2 activation. Aging, 2013, 5, 770-781.	1.4	34
186	Treating fatty liver and insulin resistance. Aging, 2013, 5, 791-792.	1.4	6
187	Regulation of Mitochondrial Biogenesis by Lipoprotein Lipase in Muscle of Insulin-Resistant Offspring of Parents With Type 2 Diabetes. Diabetes, 2012, 61, 877-887.	0.3	63
188	Fatty acid amide hydrolase ablation promotes ectopic lipid storage and insulin resistance due to centrally mediated hypothyroidism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14966-14971.	3.3	32
189	Chemical and genetic evidence for the involvement of Wnt antagonist Dickkopf2 in regulation of glucose metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11402-11407.	3.3	52
190	Dissociation of Inositol-requiring Enzyme (IRE1Î±)-mediated c-Jun N-terminal Kinase Activation from Hepatic Insulin Resistance in Conditional X-box-binding Protein-1 (XBP1) Knock-out Mice. Journal of Biological Chemistry, 2012, 287, 2558-2567.	1.6	132
191	Low Density Lipoprotein (LDL) Receptor-related Protein 6 (LRP6) Regulates Body Fat and Glucose Homeostasis by Modulating Nutrient Sensing Pathways and Mitochondrial Energy Expenditure. Journal of Biological Chemistry, 2012, 287, 7213-7223.	1.6	67
192	The Deacetylase Sirt6 Activates the Acetyltransferase GCN5 and Suppresses Hepatic Gluconeogenesis. Molecular Cell, 2012, 48, 900-913.	4.5	246
193	Thyroid Hormone Receptor-Î± Gene Knockout Mice Are Protected from Diet-Induced Hepatic Insulin Resistance. Endocrinology, 2012, 153, 583-591.	1.4	66
194	Mechanisms for Insulin Resistance: Common Threads and Missing Links. Cell, 2012, 148, 852-871.	13.5	1,681
195	Diacylglycerol Activation of Protein Kinase CÎµ and Hepatic Insulin Resistance. Cell Metabolism, 2012, 15, 574-584.	7.2	247
196	A guide to analysis of mouse energy metabolism. Nature Methods, 2012, 9, 57-63.	9.0	655
197	31P-Magnetization Transfer Magnetic Resonance Spectroscopy Measurements of In Vivo Metabolism. Diabetes, 2012, 61, 2669-2678.	0.3	51
198	Inflammasome-mediated dysbiosis regulates progression of NAFLD and obesity. Nature, 2012, 482, 179-185.	13.7	2,026

#	Article	IF	Citations
199	Skeletal Muscle Insulin Resistance Promotes Increased Hepatic De Novo Lipogenesis, Hyperlipidemia, and Hepatic Steatosis in the Elderly. Diabetes, 2012, 61, 2711-2717.	0.3	126
200	Reversal of muscle insulin resistance by weight reduction in young, lean, insulin-resistant offspring of parents with type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8236-8240.	3.3	74
201	Hepatic Hdac3 promotes gluconeogenesis by repressing lipid synthesis and sequestration. Nature Medicine, 2012, 18, 934-942.	15.2	285
202	Development of insulin resistance in mice lacking PGC-1Î± in adipose tissues. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9635-9640.	3.3	248
203	Cellular mechanism of insulin resistance in nonalcoholic fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16381-16385.	3.3	475
204	Inhibition of Notch signaling ameliorates insulin resistance in a FoxO1-dependent manner. Nature Medicine, 2011, 17, 961-967.	15.2	165
205	FGF19 as a Postprandial, Insulin-Independent Activator of Hepatic Protein and Glycogen Synthesis. Science, 2011, 331, 1621-1624.	6.0	504
206	Desnutrin/ATGL Is Regulated by AMPK and Is Required for a Brown Adipose Phenotype. Cell Metabolism, 2011, 13, 739-748.	7.2	440
207	Deletion of the Mammalian INDY Homolog Mimics Aspects of Dietary Restriction and Protects against Adiposity and Insulin Resistance in Mice. Cell Metabolism, 2011, 14, 184-195.	7.2	193
208	Dissociation of the Glucose and Lipid Regulatory Functions of FoxO1 by Targeted Knockin of Acetylation-Defective Alleles in Mice. Cell Metabolism, 2011, 14, 587-597.	7.2	60
209	Sirtuin-1 regulation of mammalian metabolism. Trends in Molecular Medicine, 2011, 17, 8-13.	3.5	88
210	Antidiabetic actions of a non-agonist PPARÎ³ ligand blocking Cdk5-mediated phosphorylation. Nature, 2011, 477, 477-481.	13.7	484
211	SirT1 Regulates Adipose Tissue Inflammation. Diabetes, 2011, 60, 3235-3245.	0.3	261
212	Knockdown of the gene encoding Drosophila tribbles homologue 3 (Trib3) improves insulin sensitivity through peroxisome proliferator-activated receptor-Î³ (PPAR-Î³) activation in a rat model of insulin resistance. Diabetologia, 2011, 54, 935-944.	2.9	27
213	Regulation of hepatic fat and glucose oxidation in rats with lipid-induced hepatic insulin resistance. Hepatology, 2011, 53, 1175-1181.	3.6	41
214	Apolipoprotein CIII overexpressing mice are predisposed to dietâ€induced hepatic steatosis and hepatic insulin resistance. Hepatology, 2011, 54, 1650-1660.	3.6	114
215	GPA protects the nigrostriatal dopamine system by enhancing mitochondrial function. Neurobiology of Disease, 2011, 43, 152-162.	2.1	20
216	Characterization of the Hyperphagic Response to Dietary Fat in the MC4R Knockout Mouse. Endocrinology, 2011, 152, 890-902.	1.4	62

#	Article	IF	Citations
217	Mouse Cardiac Acyl Coenzyme A Synthetase 1 Deficiency Impairs Fatty Acid Oxidation and Induces Cardiac Hypertrophy. Molecular and Cellular Biology, 2011, 31, 1252-1262.	1.1	156
218	Tumor Progression Locus 2 (TPL2) Regulates Obesity-Associated Inflammation and Insulin Resistance. Diabetes, 2011, 60, 1168-1176.	0.3	47
219	Diabetes in Mice With Selective Impairment of Insulin Action in Glut4-Expressing Tissues. Diabetes, 2011, 60, 700-709.	0.3	48
220	SGLT2 Deletion Improves Glucose Homeostasis and Preserves Pancreatic Î²-Cell Function. Diabetes, 2011, 60, 890-898.	0.3	197
221	Hepatic insulin resistance in mice with hepatic overexpression of diacylglycerol acyltransferase 2. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5748-5752.	3.3	139
222	Reversal of muscle insulin resistance with exercise reduces postprandial hepatic de novo lipogenesis in insulin resistant individuals. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13705-13709.	3.3	150
223	Reply to Monetti et al.: Hepatic steatosis and diacylglycerol-mediated hepatic insulin resistance in acyl-CoA:diacylglycerol acyltransferase 2 (DGAT2) transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E524-E524.	3.3	1
224	Influence of the Hepatic Eukaryotic Initiation Factor 2Î± (eIF2Î±) Endoplasmic Reticulum (ER) Stress Response Pathway on Insulin-mediated ER Stress and Hepatic and Peripheral Glucose Metabolism. Journal of Biological Chemistry, 2011, 286, 36163-36170.	1.6	65
225	Magnetic Resonance Spectroscopy Studies of Human Metabolism. Diabetes, 2011, 60, 1361-1369.	0.3	31
226	Hyperglucagonemia precedes a decline in insulin secretion and causes hyperglycemia in chronically glucose-infused rats. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E1174-E1183.	1.8	39
227	Lysophosphatidic Acid Activates Peroxisome Proliferator Activated Receptor-Î³ in CHO Cells That Over-Express Glycerol 3-Phosphate Acyltransferase-1. PLoS ONE, 2011, 6, e18932.	1.1	41
228	Impact of CD1d Deficiency on Metabolism. PLoS ONE, 2011, 6, e25478.	1.1	68
229	Indy knockdown in mice mimics elements of dietary restriction. Aging, 2011, 3, 701-701.	1.4	7
230	A common variant in the patatin-like phospholipase 3 gene (PNPLA3) is associated with fatty liver disease in obese children and adolescents. Hepatology, 2010, 52, 1281-1290.	3.6	195
231	Downregulation of <i>ADIPOQ</i> and <i>PPARÎ³2</i> Gene Expression in Subcutaneous Adipose Tissue of Obese Adolescents With Hepatic Steatosis. Obesity, 2010, 18, 1911-1917.	1.5	33
232	Altered Brain Mitochondrial Metabolism in Healthy Aging as Assessed by <i>in vivo</i> Magnetic Resonance Spectroscopy. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 211-221.	2.4	223
233	Diacylglycerol-mediated insulin resistance. Nature Medicine, 2010, 16, 400-402.	15.2	385
234	A high-fat, ketogenic diet causes hepatic insulin resistance in mice, despite increasing energy expenditure and preventing weight gain. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E808-E815.	1.8	174

#	Article	IF	Citations
235	CGI-58 knockdown in mice causes hepatic steatosis but prevents diet-induced obesity and glucose intolerance. Journal of Lipid Research, 2010, 51, 3306-3315.	2.0	128
236	Cellularity and Adipogenic Profile of the Abdominal Subcutaneous Adipose Tissue From Obese Adolescents: Association With Insulin Resistance and Hepatic Steatosis. Diabetes, 2010, 59, 2288-2296.	0.3	117
237	Standard operating procedures for describing and performing metabolic tests of glucose homeostasis in mice. DMM Disease Models and Mechanisms, 2010, 3, 525-534.	1.2	606
238	Gene knockout of Acc2 has little effect on body weight, fat mass, or food intake. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7598-7603.	3.3	93
239	Deletion of the Î±-Arrestin Protein Txnip in Mice Promotes Adiposity and Adipogenesis While Preserving Insulin Sensitivity. Diabetes, 2010, 59, 1424-1434.	0.3	131
240	Glycerol-3-Phosphate Acyltransferase 1 Deficiency in <i>ob/ob</i> Mice Diminishes Hepatic Steatosis but Does Not Protect Against Insulin Resistance or Obesity. Diabetes, 2010, 59, 1321-1329.	0.3	53
241	Chylomicron- and VLDL-derived Lipids Enter the Heart through Different Pathways. Journal of Biological Chemistry, 2010, 285, 37976-37986.	1.6	98
242	Effects of Pioglitazone on Intramyocellular Fat Metabolism in Patients with Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1916-1923.	1.8	72
243	Apolipoprotein C3 Gene Variants in Nonalcoholic Fatty Liver Disease. New England Journal of Medicine, 2010, 362, 1082-1089.	13.9	384
244	Regulation of mitochondrial biogenesis. Essays in Biochemistry, 2010, 47, 69-84.	2.1	789
245	Resistance to High-Fat Diet-Induced Obesity and Insulin Resistance in Mice with Very Long-Chain Acyl-CoA Dehydrogenase Deficiency. Cell Metabolism, 2010, 11, 402-411.	7.2	75
246	Targeted Expression of Catalase to Mitochondria Prevents Age-Associated Reductions in Mitochondrial Function and Insulin Resistance. Cell Metabolism, 2010, 12, 668-674.	7.2	274
247	Lipid-induced insulin resistance: unravelling the mechanism. Lancet, The, 2010, 375, 2267-2277.	6.3	944
248	The Role of Muscle Insulin Resistance in the Pathogenesis of Atherogenic Dyslipidemia and Nonalcoholic Fatty Liver Disease Associated with the Metabolic Syndrome. Annual Review of Nutrition, 2010, 30, 273-290.	4.3	105
249	The Contribution of Blood Lactate to Brain Energy Metabolism in Humans Measured by Dynamic¹³C Nuclear Magnetic Resonance Spectroscopy. Journal of Neuroscience, 2010, 30, 13983-13991.	1.7	279
250	Uncoupling Protein-2 Decreases the Lipogenic Actions of Ghrelin. Endocrinology, 2010, 151, 2078-2086.	1.4	44
251	The Metabolic Syndrome. , 2010, , 822-839.		2
252	Resistance to thyroid hormone is associated with raised energy expenditure, muscle mitochondrial uncoupling, and hyperphagia. Journal of Clinical Investigation, 2010, 120, 1345-1354.	3.9	90

#	Article	IF	Citations
253	PPARÎ³-induced cardiolipotoxicity in mice is ameliorated by PPARÎ± deficiency despite increases in fatty acid oxidation. Journal of Clinical Investigation, 2010, 120, 3443-3454.	3.9	137
254	Adipose Overexpression of Desnutrin Promotes Fatty Acid Use and Attenuates Diet-Induced Obesity. Diabetes, 2009, 58, 855-866.	0.3	160
255	Sensitivity of Lipid Metabolism and Insulin Signaling to Genetic Alterations in Hepatic Peroxisome Proliferatorâ€"Activated Receptor-Î³ Coactivator-1Î± Expression. Diabetes, 2009, 58, 1499-1508.	0.3	135
256	Mitochondrial Dysfunction Contributes to Impaired Insulin Secretion in INS-1 Cells with Dominant-negative Mutations of HNF-1Î± and in HNF-1Î±-deficient Islets. Journal of Biological Chemistry, 2009, 284, 16808-16821.	1.6	27
257	Fasting hyperglycemia is not associated with increased expression of PEPCK or G6Pc in patients with Type 2 Diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12121-12126.	3.3	139
258	Increased Energy Expenditure and Insulin Sensitivity in the High Bone Mass Î"FosB Transgenic Mice. Endocrinology, 2009, 150, 135-143.	1.4	20
259	Regulation of net hepatic glycogenolysis and gluconeogenesis by epinephrine in humans. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E231-E235.	1.8	48
260	Skeletal Muscle-Specific Deletion of Lipoprotein Lipase Enhances Insulin Signaling in Skeletal Muscle but Causes Insulin Resistance in Liver and Other Tissues. Diabetes, 2009, 58, 116-124.	0.3	94
261	Chapter 21 Assessment of In Vivo Mitochondrial Metabolism by Magnetic Resonance Spectroscopy. Methods in Enzymology, 2009, 457, 373-393.	0.4	37
262	PGC-1Î± negatively regulates hepatic FGF21 expression by modulating the heme/Rev-ErbÎ± axis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22510-22515.	3.3	114
263	Paradoxical Coupling of Triglyceride Synthesis and Fatty Acid Oxidation in Skeletal Muscle Overexpressing DGAT1. Diabetes, 2009, 58, 2516-2524.	0.3	55
264	Phosphoenolpyruvate Cycling via Mitochondrial Phosphoenolpyruvate Carboxykinase Links Anaplerosis and Mitochondrial GTP with Insulin Secretion. Journal of Biological Chemistry, 2009, 284, 26578-26590.	1.6	126
265	SirT1 knockdown in liver decreases basal hepatic glucose production and increases hepatic insulin responsiveness in diabetic rats. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11288-11293.	3.3	169
266	Liver-specific Loss of Long Chain Acyl-CoA Synthetase-1 Decreases Triacylglycerol Synthesis and Î²-Oxidation and Alters Phospholipid Fatty Acid Composition. Journal of Biological Chemistry, 2009, 284, 27816-27826.	1.6	188
267	STAT3 inhibition of gluconeogenesis is downregulated by SirT1. Nature Cell Biology, 2009, 11, 492-500.	4.6	301
268	AdPLA ablation increases lipolysis and prevents obesity induced by high-fat feeding or leptin deficiency. Nature Medicine, 2009, 15, 159-168.	15.2	234
269	The Role of Peroxisome Proliferator-Activated Receptor Î³ Coactivator-1 Î² in the Pathogenesis of Fructose-Induced Insulin Resistance. Cell Metabolism, 2009, 9, 252-264.	7.2	179
270	Akt2 Is Required for Hepatic Lipid Accumulation in Models of Insulin Resistance. Cell Metabolism, 2009, 10, 405-418.	7.2	241

#	Article	IF	Citations
271	Prevention of Hepatic Steatosis and Hepatic Insulin Resistance by Knockdown of cAMP Response Element-Binding Protein. Cell Metabolism, 2009, 10, 499-506.	7.2	91
272	MAPK phosphatase-1 facilitates the loss of oxidative myofibers associated with obesity in mice. Journal of Clinical Investigation, 2009, 119, 3817-3829.	3.9	57
273	Comparative MR study of hepatic fat quantification using singleâ€voxel proton spectroscopy, twoâ€point dixon and threeâ€point IDEAL. Magnetic Resonance in Medicine, 2008, 59, 521-527.	1.9	188
274	UCP2 mediates ghrelinâ€™s action on NPY/AgRP neurons by lowering free radicals. Nature, 2008, 454, 846-851.	13.7	633
275	Dual role of proapoptotic BAD in insulin secretion and beta cell survival. Nature Medicine, 2008, 14, 144-153.	15.2	285
276	Brainâ€specific carnitine palmitoylâ€transferaseâ€1c: role in CNS fatty acid metabolism, food intake, and body weight. Journal of Neurochemistry, 2008, 105, 1550-1559.	2.1	80
277	N-acylphosphatidylethanolamine, a Gut- Derived Circulating Factor Induced by Fat Ingestion, Inhibits Food Intake. Cell, 2008, 135, 813-824.	13.5	143
278	Paradoxical effects of increased expression of PGC-1Î± on muscle mitochondrial function and insulin-stimulated muscle glucose metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19926-19931.	3.3	257
279	Increased substrate oxidation and mitochondrial uncoupling in skeletal muscle of endurance-trained individuals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16701-16706.	3.3	94
280	Reduced heart size and increased myocardial fuel substrate oxidation in ACC2 mutant mice. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H256-H265.	1.5	33
281	Muscle-Specific IRS-1 Serâ†’Ala Transgenic Mice Are Protected From Fat-Induced Insulin Resistance in Skeletal Muscle. Diabetes, 2008, 57, 2644-2651.	0.3	102
282	Resistance to High-Fat Dietâ€“Induced Obesity but Exacerbated Insulin Resistance in Mice Overexpressing Preadipocyte Factor-1 (Pref-1). Diabetes, 2008, 57, 3258-3266.	0.3	78
283	A Prevalent Variant in PPP1R3A Impairs Glycogen Synthesis and Reduces Muscle Glycogen Content in Humans and Mice. PLoS Medicine, 2008, 5, e27.	3.9	44
284	Cytosolic and Mitochondrial Malic Enzyme Isoforms Differentially Control Insulin Secretion. Journal of Biological Chemistry, 2007, 282, 200-207.	1.6	123
285	Hepatic Overexpression of Glycerol-sn-3-phosphate Acyltransferase 1 in Rats Causes Insulin Resistance. Journal of Biological Chemistry, 2007, 282, 14807-14815.	1.6	108
286	Loss of the Par-1b/MARK2 polarity kinase leads to increased metabolic rate, decreased adiposity, and insulin hypersensitivity in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5680-5685.	3.3	70
287	Mitochondrial dysfunction due to long-chain Acyl-CoA dehydrogenase deficiency causes hepatic steatosis and hepatic insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17075-17080.	3.3	241
288	Regulation of hypothalamic malonyl-CoA by central glucose and leptin. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19285-19290.	3.3	113

#	Article	IF	Citations
289	Obesity-associated improvements in metabolic profile through expansion of adipose tissue. Journal of Clinical Investigation, 2007, 117, 2621-2637.	3.9	1,104
290	The role of skeletal muscle insulin resistance in the pathogenesis of the metabolic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12587-12594.	3.3	599
291	Continuous fat oxidation in acetylâ€“CoA carboxylase 2 knockout mice increases total energy expenditure, reduces fat mass, and improves insulin sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16480-16485.	3.3	277
292	n-3 Fatty Acids Preserve Insulin Sensitivity In Vivo in a Peroxisome Proliferator-Activated Receptor-Â-Dependent Manner. Diabetes, 2007, 56, 1034-1041.	0.3	212
293	Aging-Associated Reductions in AMP-Activated Protein Kinase Activity and Mitochondrial Biogenesis. Cell Metabolism, 2007, 5, 151-156.	7.2	458
294	Mitochondrial GTP Regulates Glucose-Stimulated Insulin Secretion. Cell Metabolism, 2007, 5, 253-264.	7.2	143
295	Synaptic Glutamate Release by Ventromedial Hypothalamic Neurons Is Part of the Neurocircuitry that Prevents Hypoglycemia. Cell Metabolism, 2007, 5, 383-393.	7.2	358
296	Impaired Mitochondrial Substrate Oxidation in Muscle of Insulin-Resistant Offspring of Type 2 Diabetic Patients. Diabetes, 2007, 56, 1376-1381.	0.3	391
297	Suppression of Diacylglycerol Acyltransferase-2 (DGAT2), but Not DGAT1, with Antisense Oligonucleotides Reverses Diet-induced Hepatic Steatosis and Insulin Resistance. Journal of Biological Chemistry, 2007, 282, 22678-22688.	1.6	319
298	Disordered Lipid Metabolism and the Pathogenesis of Insulin Resistance. Physiological Reviews, 2007, 87, 507-520.	13.1	873
299	Interethnic Differences in Muscle, Liver and Abdominal Fat Partitioning in Obese Adolescents. PLoS ONE, 2007, 2, e569.	1.1	124
300	Muscle-specific knockout of PKC-Î» impairs glucose transport and induces metabolic and diabetic syndromes. Journal of Clinical Investigation, 2007, 117, 2289-2301.	3.9	140
301	Anorectic estrogen mimics leptin's effect on the rewiring of melanocortin cells and Stat3 signaling in obese animals. Nature Medicine, 2007, 13, 89-94.	15.2	373
302	Measurements of the anaplerotic rate in the human cerebral cortex using13C magnetic resonance spectroscopy and [1-13C] and [2-13C] glucose. Journal of Neurochemistry, 2007, 100, 73-86.	2.1	82
303	Overexpression of uncoupling protein 3 in skeletal muscle protects against fat-induced insulin resistance. Journal of Clinical Investigation, 2007, 117, 1995-2003.	3.9	162
304	Inhibition of protein kinase CÎµ prevents hepatic insulin resistance in nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2007, 117, 739-745.	3.9	427
305	Abnormal glucose homeostasis in skeletal muscleâ€“specific PGC-1Î± knockout mice reveals skeletal muscleâ€“pancreatic Î² cell crosstalk. Journal of Clinical Investigation, 2007, 117, 3463-3474.	3.9	302
306	Lipid metabolism and adipokine levels in fatty acid-binding protein null and transgenic mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E814-E823.	1.8	103

#	Article	IF	Citations
307	Molecular Mechanisms of Insulin Resistance in Humans and Their Potential Links With Mitochondrial Dysfunction. Diabetes, 2006, 55, S9-S15.	0.3	730
308	Etiology of Insulin Resistance. American Journal of Medicine, 2006, 119, S10-S16.	0.6	646
309	Mice lacking MAP kinase phosphatase-1 have enhanced MAP kinase activity and resistance to diet-induced obesity. Cell Metabolism, 2006, 4, 61-73.	7.2	197
310	Hypomorphic mutation of PGC-1Î² causes mitochondrial dysfunction and liver insulin resistance. Cell Metabolism, 2006, 4, 453-464.	7.2	162
311	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. Nature Medicine, 2006, 12, 549-556.	15.2	141
312	New Insights into the Pathogenesis of Insulin Resistance in Humans Using Magnetic Resonance Spectroscopy. Obesity, 2006, 14, 34S-40S.	1.5	84
313	The role of AMP-activated protein kinase in mitochondrial biogenesis. Journal of Physiology, 2006, 574, 33-39.	1.3	310
314	Activation of the farnesoid X receptor improves lipid metabolism in combined hyperlipidemic hamsters. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E716-E722.	1.8	84
315	Mechanism of glucose intolerance in mice with dominant negative mutation of CEACAM1. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E517-E524.	1.8	42
316	Immunoneutralization of Endogenous Glucagon Reduces Hepatic Glucose Output and Improves Long-Term Glycemic Control in Diabetic ob/ob Mice. Diabetes, 2006, 55, 2843-2848.	0.3	76
317	Targeting Foxo1 in Mice Using Antisense Oligonucleotide Improves Hepatic and Peripheral Insulin Action. Diabetes, 2006, 55, 2042-2050.	0.3	160
318	Increased Brain Monocarboxylic Acid Transport and Utilization in Type 1 Diabetes. Diabetes, 2006, 55, 929-934.	0.3	117
319	Increased prevalence of insulin resistance and nonalcoholic fatty liver disease in Asian-Indian men. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18273-18277.	3.3	354
320	Regulation of Metabolic Responses by Adipocyte/ Macrophage Fatty Acid-Binding Proteins in Leptin-Deficient Mice. Diabetes, 2006, 55, 1915-1922.	0.3	85
321	Fish Oil Regulates Adiponectin Secretion by a Peroxisome Proliferator-Activated Receptor-Â-Dependent Mechanism in Mice. Diabetes, 2006, 55, 924-928.	0.3	254
322	Urocortin 2 modulates glucose utilization and insulin sensitivity in skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16580-16585.	3.3	65
323	Reversal of diet-induced hepatic steatosis and hepatic insulin resistance by antisense oligonucleotide inhibitors of acetyl-CoA carboxylases 1 and 2. Journal of Clinical Investigation, 2006, 116, 817-824.	3.9	377
324	MRS Studies of the Role of the Muscle Glycogen Synthesis Pathway in the Pathophysiology of Type 2 Diabetes. , 2005, , 45-57.		2

#	Article	IF	Citations
325	Hormone-sensitive lipase knockout mice have increased hepatic insulin sensitivity and are protected from short-term diet-induced insulin resistance in skeletal muscle and heart. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E30-E39.	1.8	79
326	Decreased Insulin-Stimulated ATP Synthesis and Phosphate Transport in Muscle of Insulin-Resistant Offspring of Type 2 Diabetic Parents. PLoS Medicine, 2005, 2, e233.	3.9	279
327	Mechanisms of Insulin Resistance in Humans and Possible Links With Inflammation. Hypertension, 2005, 45, 828-833.	1.3	231
328	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. Diabetes, 2005, 54, 3148-3153.	0.3	162
329	The â€œObese Insulin-Sensitiveâ€•Adolescent: Importance of Adiponectin and Lipid Partitioning. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 3731-3737.	1.8	152
330	The Role of Intramyocellular Lipids during Hypoglycemia in Patients with Intensively Treated Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5559-5565.	1.8	24
331	Reversal of Nonalcoholic Hepatic Steatosis, Hepatic Insulin Resistance, and Hyperglycemia by Moderate Weight Reduction in Patients With Type 2 Diabetes. Diabetes, 2005, 54, 603-608.	0.3	769
332	Adipocyte-Specific Overexpression of FOXC2 Prevents Diet-Induced Increases in Intramuscular Fatty Acyl CoA and Insulin Resistance. Diabetes, 2005, 54, 1657-1663.	0.3	68
333	Mitochondrial Glycerol-3-phosphate Acyltransferase-1 Is Essential inLiver for the Metabolism of ExcessAcyl-CoAs. Journal of Biological Chemistry, 2005, 280, 25629-25636.	1.6	91
334	Mitochondrial Dysfunction and Type 2 Diabetes. Science, 2005, 307, 384-387.	6.0	1,802
335	Prevention of hepatic steatosis and hepatic insulin resistance in mitochondrial acyl-CoA:glycerol-sn-3-phosphate acyltransferase 1 knockout mice. Cell Metabolism, 2005, 2, 55-65.	7.2	235
336	Reduced mitochondrial density and increased IRS-1 serine phosphorylation in muscle of insulin-resistant offspring of type 2 diabetic parents. Journal of Clinical Investigation, 2005, 115, 3587-3593.	3.9	689
337	A Cluster of Metabolic Defects Caused by Mutation in a Mitochondrial tRNA. Science, 2004, 306, 1190-1194.	6.0	328
338	Effects of Rexinoids on Glucose Transport and Insulin-mediated Signaling in Skeletal Muscles of Diabetic (db/db) Mice. Journal of Biological Chemistry, 2004, 279, 19721-19731.	1.6	49
339	13C NMR Isotopomer Analysis of Anaplerotic Pathways in INS-1 Cells. Journal of Biological Chemistry, 2004, 279, 44370-44375.	1.6	113
340	Disruption of neural signal transducer and activator of transcription 3 causes obesity, diabetes, infertility, and thermal dysregulation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4661-4666.	3.3	341
341	Liver fatty acidâ€binding protein is required for high rates of hepatic fatty acid oxidation but not for the action of PPARâ€î± in fasting mice. FASEB Journal, 2004, 18, 1-18.	0.2	90
342	Transgenic Overexpression of Protein-tyrosine Phosphatase 1B in Muscle Causes Insulin Resistance, but Overexpression with Leukocyte Antigen-related Phosphatase Does Not Additively Impair Insulin Action. Journal of Biological Chemistry, 2004, 279, 24844-24851.	1.6	144

#	Article	IF	Citations
343	Alterations in Postprandial Hepatic Glycogen Metabolism in Type 2 Diabetes. Diabetes, 2004, 53, 3048-3056.	0.3	267
344	Hepatic expression of malonyl-CoA decarboxylase reverses muscle, liver and whole-animal insulin resistance. Nature Medicine, 2004, 10, 268-274.	15.2	414
345	Mechanism of Hepatic Insulin Resistance in Non-alcoholic Fatty Liver Disease. Journal of Biological Chemistry, 2004, 279, 32345-32353.	1.6	1,069
346	Impaired Mitochondrial Activity in the Insulin-Resistant Offspring of Patients with Type 2 Diabetes. New England Journal of Medicine, 2004, 350, 664-671.	13.9	1,969
347	Defects in Adaptive Energy Metabolism with CNS-Linked Hyperactivity in PGC-1Î± Null Mice. Cell, 2004, 119, 121-135.	13.5	1,074
348	40th EASD Annual Meeting of the European Association for the Study of Diabetes. Diabetologia, 2004, 47, A1-A464.	2.9	41
349	Unraveling the Cellular Mechanism of Insulin Resistance in Humans: New Insights from Magnetic Resonance Spectroscopy. Physiology, 2004, 19, 183-190.	1.6	120
350	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. Journal of Clinical Investigation, 2004, 113, 756-763.	3.9	195
351	PKC-Î¸ knockout mice are protected from fat-induced insulin resistance. Journal of Clinical Investigation, 2004, 114, 823-827.	3.9	371
352	PKC-Î¸ knockout mice are protected from fat-induced insulin resistance. Journal of Clinical Investigation, 2004, 114, 823-827.	3.9	226
353	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. Journal of Clinical Investigation, 2004, 113, 756-763.	3.9	99
354	Phosphoinositide profiling in complex lipid mixtures using electrospray ionization mass spectrometry. Nature Biotechnology, 2003, 21, 813-817.	9.4	226
355	Prediabetes in obese youth: a syndrome of impaired glucose tolerance, severe insulin resistance, and altered myocellular and abdominal fat partitioning. Lancet, The, 2003, 362, 951-957.	6.3	441
356	A comparison of 13C NMR measurements of the rates of glutamine synthesis and the tricarboxylic acid cycle during oral and intravenous administration of [1-13C]glucose. Brain Research Protocols, 2003, 10, 181-190.	1.7	70
357	Genetic Modulation of PPARÎ³ Phosphorylation Regulates Insulin Sensitivity. Developmental Cell, 2003, 5, 657-663.	3.1	189
358	Differential Effects of Rosiglitazone on Skeletal Muscle and Liver Insulin Resistance in A-ZIP/F-1 Fatless Mice. Diabetes, 2003, 52, 1311-1318.	0.3	87
359	Insulin Resistance in Tetracycline-Repressible Munc18c Transgenic Mice. Diabetes, 2003, 52, 1910-1917.	0.3	40
360	Low Adiponectin Levels in Adolescent Obesity: A Marker of Increased Intramyocellular Lipid Accumulation. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2014-2018.	1.8	172

#	Article	IF	Citations
361	Local Lactate Perfusion of the Ventromedial Hypothalamus Suppresses Hypoglycemic Counterregulation. Diabetes, 2003, 52, 663-666.	0.3	113
362	Mitochondrial Dysfunction in the Elderly: Possible Role in Insulin Resistance. Science, 2003, 300, 1140-1142.	6.0	1,848
363	Physiological role of AMP-activated protein kinase in the heart: graded activation during exercise. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E629-E636.	1.8	150
364	Pioglitazone Improves Insulin Sensitivity Among Nondiabetic Patients With a Recent Transient Ischemic Attack or Ischemic Stroke. Stroke, 2003, 34, 1431-1436.	1.0	72
365	Defective Activation of Skeletal Muscle and Adipose Tissue Lipolysis in Type 1 Diabetes Mellitus during Hypoglycemia. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1503-1511.	1.8	33
366	Effects of depletion exercise and light training on muscle glycogen supercompensation in men. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1304-E1311.	1.8	30
367	Skeletal muscle lipid metabolism with obesity. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E741-E747.	1.8	280
368	Inclusion of Low Amounts of Fructose With an Intraduodenal Glucose Load Markedly Reduces Postprandial Hyperglycemia and Hyperinsulinemia in the Conscious Dog. Diabetes, 2002, 51, 469-478.	0.3	67
369	Assessment of Skeletal Muscle Triglyceride Content by 1H Nuclear Magnetic Resonance Spectroscopy in Lean and Obese Adolescents: Relationships to Insulin Sensitivity, Total Body Fat, and Central Adiposity. Diabetes, 2002, 51, 1022-1027.	0.3	440
370	Hepatic Glycogen Metabolism in Type 1 Diabetes After Long-Term Near Normoglycemia. Diabetes, 2002, 51, 49-54.	0.3	77
371	Mechanism by Which Fatty Acids Inhibit Insulin Activation of Insulin Receptor Substrate-1 (IRS-1)-associated Phosphatidylinositol 3-Kinase Activity in Muscle. Journal of Biological Chemistry, 2002, 277, 50230-50236.	1.6	1,254
372	Adrenalectomy Improves Diabetes in A-ZIP/F-1 Lipoatrophic Mice by Increasing Both Liver and Muscle Insulin Sensitivity. Diabetes, 2002, 51, 2113-2118.	0.3	42
373	Fatty Acid Infusion Selectively Impairs Insulin Action on Akt1 and Protein Kinase C Î»/Î¶ but Not on Glycogen Synthase Kinase-3. Journal of Biological Chemistry, 2002, 277, 32915-32922.	1.6	78
374	Effects of a Novel Glycogen Synthase Kinase-3 Inhibitor on Insulin-Stimulated Glucose Metabolism in Zucker Diabetic Fatty (fa/fa) Rats. Diabetes, 2002, 51, 2903-2910.	0.3	214
375	Effect of Weight Loss on Insulin Sensitivity and Intramuscular Long-Chain Fatty Acyl-CoAs in Morbidly Obese Subjects. Diabetes, 2002, 51, 2959-2963.	0.3	131
376	The Effects of Rosiglitazone on Insulin Sensitivity, Lipolysis, and Hepatic and Skeletal Muscle Triglyceride Content in Patients With Type 2 Diabetes. Diabetes, 2002, 51, 797-802.	0.3	602
377	Contrasting effects of fish oil and safflower oil on hepatic peroxisomal and tissue lipid content. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E395-E401.	1.8	132
378	AMP kinase is required for mitochondrial biogenesis in skeletal muscle in response to chronic energy deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15983-15987.	3.3	895

#	Article	IF	Citations
379	Pathogenesis of skeletal muscle insulin resistance in type 2 diabetes mellitus. American Journal of Cardiology, 2002, 90, 11-18.	0.7	297
380	[2,4-13C2]-Î²-Hydroxybutyrate Metabolism in Human Brain. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 890-898.	2.4	83
381	Mechanism by which high-dose aspirin improves glucose metabolism in type 2 diabetes. Journal of Clinical Investigation, 2002, 109, 1321-1326.	3.9	480
382	Leptin reverses insulin resistance and hepatic steatosis in patients with severe lipodystrophy. Journal of Clinical Investigation, 2002, 109, 1345-1350.	3.9	552
383	Mechanism by which high-dose aspirin improves glucose metabolism in type 2 diabetes. Journal of Clinical Investigation, 2002, 109, 1321-1326.	3.9	304
384	Leptin reverses insulin resistance and hepatic steatosis in patients with severe lipodystrophy. Journal of Clinical Investigation, 2002, 109, 1345-1350.	3.9	373
385	Astroglial Contribution to Brain Energy Metabolism in Humans Revealed by¹³C Nuclear Magnetic Resonance Spectroscopy: Elucidation of the Dominant Pathway for Neurotransmitter Glutamate Repletion and Measurement of Astrocytic Oxidative Metabolism. Journal of Neuroscience, 2002, 22, 1523-1531.	1.7	351
386	Cellular mechanism of insulin resistance in skeletal muscle. Journal of the Royal Society of Medicine, 2002, 95 Suppl 42, 8-13.	1.1	13
387	Insulin Resistance and a Diabetes Mellitus-Like Syndrome in Mice Lacking the Protein Kinase Akt2 (PKBbeta). Science, 2001, 292, 1728-1731.	6.0	1,652
388	Contribution of net hepatic glycogen synthesis to disposal of an oral glucose load in humans. Metabolism: Clinical and Experimental, 2001, 50, 598-601.	1.5	40
389	Uncoupling Protein-2 Negatively Regulates Insulin Secretion and Is a Major Link between Obesity, Î² Cell Dysfunction, and Type 2 Diabetes. Cell, 2001, 105, 745-755.	13.5	867
390	Chronic activation of AMP kinase results in NRF-1 activation and mitochondrial biogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E1340-E1346.	1.8	449
391	Lipid-dependent control of hepatic glycogen stores in healthy humans. Diabetologia, 2001, 44, 48-54.	2.9	81
392	Adipose-selective targeting of the GLUT4 gene impairs insulin action in muscle and liver. Nature, 2001, 409, 729-733.	13.7	1,058
393	Functional inactivation of the IGF-I and insulin receptors in skeletal muscle causes type 2 diabetes. Genes and Development, 2001, 15, 1926-1934.	2.7	323
394	Tissue-specific overexpression of lipoprotein lipase causes tissue-specific insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7522-7527.	3.3	628
395	Overexpression of the LAR (leukocyte antigen-related) protein-tyrosine phosphatase in muscle causes insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5187-5192.	3.3	111
396	Effect of 5-Aminoimidazole-4-Carboxamide-1-Â-D-Ribofuranoside Infusion on In Vivo Glucose and Lipid Metabolism in Lean and Obese Zucker Rats. Diabetes, 2001, 50, 1076-1082.	0.3	261

#	Article	IF	Citations
397	Stimulating Effects of Low-Dose Fructose on Insulin-Stimulated Hepatic Glycogen Synthesis in Humans. Diabetes, 2001, 50, 1263-1268.	0.3	123
398	In Vivo Effects of Uncoupling Protein-3 Gene Disruption on Mitochondrial Energy Metabolism. Journal of Biological Chemistry, 2001, 276, 20240-20244.	1.6	124
399	NMR Spectroscopy in Î² Cell Engineering and Islet Transplantation. Annals of the New York Academy of Sciences, 2001, 944, 96-119.	1.8	35
400	Glucose toxicity and the development of diabetes in mice with muscle-specific inactivation of GLUT4. Journal of Clinical Investigation, 2001, 108, 153-160.	3.9	162
401	Insulin/IGF-1 and TNF-Î± stimulate phosphorylation of IRS-1 at inhibitory Ser307 via distinct pathways. Journal of Clinical Investigation, 2001, 107, 181-189.	3.9	508
402	Prevention of fat-induced insulin resistance by salicylate. Journal of Clinical Investigation, 2001, 108, 437-446.	3.9	597
403	Syntaxin 4 heterozygous knockout mice develop muscle insulin resistance. Journal of Clinical Investigation, 2001, 107, 1311-1318.	3.9	98
404	Effect of triiodothyronine on mitochondrial energy coupling in human skeletal muscle. Journal of Clinical Investigation, 2001, 108, 733-737.	3.9	135
405	Nuclear Magnetic Resonance Studies of Hepatic Glucose Metabolism in Humans. Endocrine Reviews, 2001, 56, 219-238.	7.1	97
406	Intense exercise stimulates albumin synthesis in the upright posture. Journal of Applied Physiology, 2000, 88, 41-46.	1.2	59
407	Glycogen loading alters muscle glycogen resynthesis after exercise. Journal of Applied Physiology, 2000, 88, 698-704.	1.2	36
408	Transgenic mice overexpressing GLUT-1 protein in muscle exhibit increased muscle glycogenesis after exercise. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E588-E592.	1.8	9
409	Surgical implantation of adipose tissue reverses diabetes in lipoatrophic mice. Journal of Clinical Investigation, 2000, 105, 271-278.	3.9	554
410	13C/31P NMR Assessment of Mitochondrial Energy Coupling in Skeletal Muscle of Awake Fed and Fasted Rats. Journal of Biological Chemistry, 2000, 275, 39279-39286.	1.6	50
411	Regulation of myocardial [¹³C]glucose metabolism in conscious rats. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H375-H381.	1.5	15
412	Mechanism of muscle glycogen autoregulation in humans. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E663-E668.	1.8	49
413	Mechanism of troglitazone action in type 2 diabetes. Diabetes, 2000, 49, 827-831.	0.3	130
414	Assessment of mitochondrial energy coupling in vivo by 13C/31P NMR. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6880-6884.	3.3	103

#	Article	IF	Citations
415	Effects of free fatty acid elevation on postabsorptive endogenous glucose production and gluconeogenesis in humans. Diabetes, 2000, 49, 701-707.	0.3	243
416	Intramuscular Glycogen and Intramyocellular Lipid Utilization during Prolonged Exercise and Recovery in Man: A 13C and 1H Nuclear Magnetic Resonance Spectroscopy Study1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 748-754.	1.8	150
417	Contrasting Effects of IRS-1 Versus IRS-2 Gene Disruption on Carbohydrate and Lipid Metabolism in Vivo. Journal of Biological Chemistry, 2000, 275, 38990-38994.	1.6	247
418	Effects of Caffeine on Muscle Glycogen Utilization and the Neuroendocrine Axis during Exercise¹. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 2170-2175.	1.8	93
419	Mechanism of Insulin Resistance in A-ZIP/F-1 Fatless Mice. Journal of Biological Chemistry, 2000, 275, 8456-8460.	1.6	379
420	Persistent Changes in Myocardial Glucose Metabolism In Vivo During Reperfusion of a Limited-Duration Coronary Occlusion. Circulation, 2000, 101, 917-922.	1.6	65
421	Cellular mechanisms of insulin resistance. Journal of Clinical Investigation, 2000, 106, 171-176.	3.9	2,199
422	Loss of Insulin Signaling in Hepatocytes Leads to Severe Insulin Resistance and Progressive Hepatic Dysfunction. Molecular Cell, 2000, 6, 87-97.	4.5	1,077
423	Mechanism by which metformin reduces glucose production in type 2 diabetes. Diabetes, 2000, 49, 2063-2069.	0.3	910
424	Increased Energy Expenditure, Decreased Adiposity, and Tissue-Specific Insulin Sensitivity in Protein-Tyrosine Phosphatase 1B-Deficient Mice. Molecular and Cellular Biology, 2000, 20, 5479-5489.	1.1	1,150
425	Redistribution of substrates to adipose tissue promotes obesity in mice with selective insulin resistance in muscle. Journal of Clinical Investigation, 2000, 105, 1791-1797.	3.9	283
426	Intramuscular Glycogen and Intramyocellular Lipid Utilization during Prolonged Exercise and Recovery in Man: A 13C and 1H Nuclear Magnetic Resonance Spectroscopy Study. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 748-754.	1.8	132
427	Effects of Caffeine on Muscle Glycogen Utilization and the Neuroendocrine Axis during Exercise. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 2170-2175.	1.8	69
428	Effects of free fatty acids on glucose transport and IRS-1â€“associated phosphatidylinositol 3-kinase activity. Journal of Clinical Investigation, 1999, 103, 253-259.	3.9	1,063
429	Effect of AMPK activation on muscle glucose metabolism in conscious rats. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E938-E944.	1.8	191
430	A critical evaluation of mass isotopomer distribution analysis of gluconeogenesis in vivo. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E154-E160.	1.8	33
431	Contributions of net hepatic glycogenolysis and gluconeogenesis to glucose production in cirrhosis. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E529-E535.	1.8	57
432	Metabolic control analysis of insulin-stimulated glucose disposal in rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E505-E512.	1.8	18

#	Article	IF	Citations
433	Translocation of myocardial GLUT-4 and increased glucose uptake through activation of AMPK by AICAR. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H643-H649.	1.5	374
434	Chronic hypoglycemia and diabetes impair counterregulation induced by localized 2-deoxy-glucose perfusion of the ventromedial hypothalamus in rats. Diabetes, 1999, 48, 584-587.	0.3	78
435	Differential effects of safflower oil versus fish oil feeding on insulin-stimulated glycogen synthesis, glycolysis, and pyruvate dehydrogenase flux in skeletal muscle: a 13C nuclear magnetic resonance study. Diabetes, 1999, 48, 134-140.	0.3	99
436	Determination of the rate of the glutamate/glutamine cycle in the human brain by in vivo 13C NMR. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8235-8240.	3.3	432
437	Impaired Glucose Transport as a Cause of Decreased Insulin-Stimulated Muscle Glycogen Synthesis in Type 2 Diabetes. New England Journal of Medicine, 1999, 341, 240-246.	13.9	562
438	Intramyocellular lipid concentrations are correlated with insulin sensitivity in humans: a 1 H NMR spectroscopy study. Diabetologia, 1999, 42, 113-116.	2.9	1,118
439	Regulation of myocardial glucose uptake and transport during ischemia and energetic stress. American Journal of Cardiology, 1999, 83, 25-30.	0.7	264
440	Cellular mechanisms of insulin resistance in humans. American Journal of Cardiology, 1999, 84, 3-10.	0.7	144
441	APPLICATIONS OF NMR SPECTROSCOPY TO STUDY MUSCLE GLYCOGEN METABOLISM IN MAN. Annual Review of Medicine, 1999, 50, 277-290.	5.0	62
442	Free fatty acid-induced insulin resistance is associated with activation of protein kinase C theta and alterations in the insulin signaling cascade. Diabetes, 1999, 48, 1270-1274.	0.3	1,080
443	Preliminary Evidence of Low Cortical GABA Levels in Localized¹H-MR Spectra of Alcohol-Dependent and Hepatic Encephalopathy Patients. American Journal of Psychiatry, 1999, 156, 952-954.	4.0	146
444	Disruption of IRS-2 causes type 2 diabetes in mice. Nature, 1998, 391, 900-904.	13.7	1,607
445	Efficacy and Metabolic Effects of Metformin and Troglitazone in Type II Diabetes Mellitus. New England Journal of Medicine, 1998, 338, 867-873.	13.9	737
446	13C/31P NMR studies on the mechanism of insulin resistance in obesity. Diabetes, 1998, 47, 381-386.	0.3	103
447	Additive Effects of Hyperinsulinemia and Ischemia on Myocardial GLUT1 and GLUT4 Translocation In Vivo. Circulation, 1998, 98, 2180-2186.	1.6	77
448	Transgenic mice deficient in the LAR protein-tyrosine phosphatase exhibit profound defects in glucose homeostasis. Diabetes, 1998, 47, 493-497.	0.3	109
449	Metabolic Effects of Troglitazone Monotherapy in Type 2 Diabetes Mellitus. Annals of Internal Medicine, 1998, 128, 176.	2.0	260
450	A novel 13C NMR method to assess intracellular glucose concentration in muscle, in vivo. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E381-E389.	1.8	40

#	ARTICLE	IF	CITATIONS
451	Effect of insulin on glycerol production in obese adolescents. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E737-E743.	1.8	32
452	Effect of epinephrine on muscle glycogenolysis and insulin-stimulated muscle glycogen synthesis in humans. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E130-E138.	1.8	33
453	Mechanism by which glucose and insulin inhibit net hepatic glycogenolysis in humans.. Journal of Clinical Investigation, 1998, 101, 1203-1209.	3.9	195
454	13C and 31P NMR Studies on the Effects of Increased Plasma Free Fatty Acids on Intramuscular Glucose Metabolism in the Awake Rat. Journal of Biological Chemistry, 1997, 272, 10464-10473.	1.6	71
455	Effects of insulin-like growth factor I on glucose metabolism in rats with liver cirrhosis. American Journal of Physiology - Endocrinology and Metabolism, 1997, 273, E1189-E1193.	1.8	11
456	Low-Flow Ischemia Leads to Translocation of Canine Heart GLUT-4 and GLUT-1 Glucose Transporters to the Sarcolemma In Vivo. Circulation, 1997, 95, 415-422.	1.6	186
457	Local ventromedial hypothalamus glucose perfusion blocks counterregulation during systemic hypoglycemia in awake rats.. Journal of Clinical Investigation, 1997, 99, 361-365.	3.9	335
458	Mechanism of impaired insulin-stimulated muscle glucose metabolism in subjects with insulin-dependent diabetes mellitus.. Journal of Clinical Investigation, 1997, 99, 2219-2224.	3.9	41
459	Regulation of exogenous and endogenous glucose metabolism by insulin and acetoacetate in the isolated working rat heart. A three tracer study of glycolysis, glycogen metabolism, and glucose oxidation.. Journal of Clinical Investigation, 1997, 100, 2892-2899.	3.9	49
460	Increased Glucose Transportâ€"Phosphorylation and Muscle Glycogen Synthesis after Exercise Training in Insulin-Resistant Subjects. New England Journal of Medicine, 1996, 335, 1357-1362.	13.9	585
461	Time course of the defective Î±-cell response to hypoglycemia in diabetic BB rats. Metabolism: Clinical and Experimental, 1996, 45, 1422-1426.	1.5	13
462	NMR studies of muscle glycogen synthesis in insulin-resistant offspring of parents with non-insulin-dependent diabetes mellitus immediately after glycogen-depleting exercise.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5329-5334.	3.3	71
463	The roles of insulin and glucagon in the regulation of hepatic glycogen synthesis and turnover in humans.. Journal of Clinical Investigation, 1996, 97, 642-648.	3.9	133
464	Noninvasive assessment of hepatic triglyceride content in humans with13C nuclear magnetic resonance spectroscopy. Hepatology, 1996, 24, 114-117.	3.6	35
465	Direct assessment of liver glycogen storage by 13C nuclear magnetic resonance spectroscopy and regulation of glucose homeostasis after a mixed meal in normal subjects.. Journal of Clinical Investigation, 1996, 97, 126-132.	3.9	218
466	Mechanism of free fatty acid-induced insulin resistance in humans.. Journal of Clinical Investigation, 1996, 97, 2859-2865.	3.9	1,244
467	Glucose metabolism distal to a critical coronary stenosis in a canine model of low-flow myocardial ischemia.. Journal of Clinical Investigation, 1996, 98, 62-69.	3.9	48
468	Impaired hepatic glycogen synthesis in glucokinase-deficient (MODY-2) subjects.. Journal of Clinical Investigation, 1996, 98, 1755-1761.	3.9	183

#	Article	IF	Citations
469	Glucose plus insulin regulate fat oxidation by controlling the rate of fatty acid entry into the mitochondria.. Journal of Clinical Investigation, 1996, 98, 2244-2250.	3.9	191
470	Decreased muscle glucose transport/phosphorylation is an early defect in the pathogenesis of non-insulin-dependent diabetes mellitus.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 983-987.	3.3	305
471	Mass and Positional Isotopomer Analysis of Glucose Metabolism in Periportal and Pericentral Hepatocytes. Journal of Biological Chemistry, 1995, 270, 28062-28067.	1.6	17
472	Triiodothyronine treatment increases substrate cycling between pyruvate carboxylase and malic enzyme in perfused rat liver. Metabolism: Clinical and Experimental, 1995, 44, 1380-1383.	1.5	28
473	Islet Phosphoinositide Hydrolysis and Insulin Secretory Responses from Prediabetic fA/fA ZDF Rats. Biochemical and Biophysical Research Communications, 1995, 209, 974-980.	1.0	6
474	Overexpression of Glut4 protein in muscle increases basal and insulin-stimulated whole body glucose disposal in conscious mice.. Journal of Clinical Investigation, 1995, 95, 429-432.	3.9	152
475	Impaired net hepatic glycogen synthesis in insulin-dependent diabetic subjects during mixed meal ingestion. A 13C nuclear magnetic resonance spectroscopy study.. Journal of Clinical Investigation, 1995, 95, 783-787.	3.9	157
476	Human muscle glycogen resynthesis after exercise: insulin-dependent and -independent phases. Journal of Applied Physiology, 1994, 76, 104-111.	1.2	139
477	Ventromedial hypothalamic lesions in rats suppress counterregulatory responses to hypoglycemia.. Journal of Clinical Investigation, 1994, 93, 1677-1682.	3.9	241
478	Validation of13C NMR measurements of liver glycogenin vivo. Magnetic Resonance in Medicine, 1994, 31, 583-588.	1.9	68
479	Progesterone administration induced impairment of insulin suppression of hepatic glucose production. Fertility and Sterility, 1994, 62, 491-496.	0.5	12
480	Turnover of human muscle glycogen with low-intensity exercise. Medicine and Science in Sports and Exercise, 1994, 26, 983???991.	0.2	35
481	Localized ¹³C NMR Spectroscopy in the Human Brain of Amino Acid Labeling from <scp>d</scp>â€[1â€¹³C]Glucose. Journal of Neurochemistry, 1994, 63, 1377-1385.	2.1	229
482	13C-nuclear magnetic resonance spectroscopy studies of hepatic glucose metabolism in normal subjects and subjects with insulin-dependent diabetes mellitus.. Journal of Clinical Investigation, 1994, 94, 2369-2376.	3.9	99
483	Enhancement of the gluconeogenic flux of hepatic glycogen repletion by a phenacyl imidazolium compound in vivo. Acta Diabetologica, 1993, 30, 70-72.	1.2	4
484	Non-Invasive Measurements of the Cerebral Steady-State Glucose Concentration and Transport in Humans by 13C Nuclear Magnetic Resonance. Advances in Experimental Medicine and Biology, 1993, 331, 35-40.	0.8	15
485	Impaired hormonal responses to hypoglycemia in spontaneously diabetic and recurrently hypoglycemic rats. Reversibility and stimulus specificity of the deficits.. Journal of Clinical Investigation, 1993, 92, 2667-2674.	3.9	71
486	Immunocytochemical localization of alpha-protein kinase C in rat pancreatic beta-cells during glucose-induced insulin secretion.. Journal of Cell Biology, 1992, 119, 313-324.	2.3	79

#	Article	IF	Citations
487	Direct measurement of brain glucose concentrations in humans by 13C NMR spectroscopy.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1109-1112.	3.3	212
488	Increased rate of gluconeogenesis in type II diabetes mellitus. A 13C nuclear magnetic resonance study.. Journal of Clinical Investigation, 1992, 90, 1323-1327.	3.9	636
489	Hypopituitarism associated with a hypothalamic CMV infection in a patient with AIDS. American Journal of Medicine, 1992, 92, 221-223.	0.6	28
490	Pathways of glycogen repletion. Physiological Reviews, 1992, 72, 1019-1035.	13.1	54
491	Cerebral Lactate Turnover after Electroshock: In vivo Measurements by ¹H/¹³C Magnetic Resonance Spectroscopy. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 1022-1029.	2.4	51
492	Validation of13c nmr measurement of human skeletal muscle glycogen by direct biochemical assay of needle biopsy samples. Magnetic Resonance in Medicine, 1992, 27, 13-20.	1.9	116
493	Detection and assignment of the glucose signal in1h nmr difference spectra of the human brain. Magnetic Resonance in Medicine, 1992, 27, 183-188.	1.9	53
494	31P nuclear magnetic resonance measurements of muscle glucose-6-phosphate. Evidence for reduced insulin-dependent muscle glucose transport or phosphorylation activity in non-insulin-dependent diabetes mellitus.. Journal of Clinical Investigation, 1992, 89, 1069-1075.	3.9	289
495	The effect of CP 68,722, a thiozolidinedione derivative, on insulin sensitivity in lean and obese Zucker rats. Metabolism: Clinical and Experimental, 1991, 40, 1025-1030.	1.5	63
496	Quantitation of hepatic glycogenolysis and gluconeogenesis in fasting humans with 13C NMR. Science, 1991, 254, 573-576.	6.0	497
497	Pathways of hepatic glycogen synthesis in humans. Medicine and Science in Sports and Exercise, 1991, 23, 939???943.	0.2	5
498	N.m.r. studies of muscle glycogen synthesis in normal and non-insulin-dependent diabetic subjects. Biochemical Society Transactions, 1991, 19, 992-994.	1.6	10
499	Localized proton NMR observation of [3-13C] lactate in stroke after [1-13C] glucose infusion. Magnetic Resonance in Medicine, 1991, 21, 302-307.	1.9	78
500	Normalization of blood glucose in diabetic rats with phlorizin treatment reverses insulin-resistant glucose transport in adipose cells without restoring glucose transporter gene expression.. Journal of Clinical Investigation, 1991, 87, 561-570.	3.9	155
501	Sources of carbon for hepatic glycogen synthesis in the conscious dog.. Journal of Clinical Investigation, 1991, 88, 578-587.	3.9	109
502	Quantitative analysis of the pathways of glycogen repletion in periportal and perivenous hepatocytes in vivo. Journal of Biological Chemistry, 1991, 266, 4094-8.	1.6	14
503	Chronicin VivoHyperglycemia Impairs Phosphoinositide Hydrolysis and Insulin Release in Isolated Perifused Rat Islets*. Endocrinology, 1990, 126, 253-260.	1.4	39
504	Quantitation of Muscle Glycogen Synthesis in Normal Subjects and Subjects with Non-Insulin-Dependent Diabetes by¹³C Nuclear Magnetic Resonance Spectroscopy. New England Journal of Medicine, 1990, 322, 223-228.	13.9	1,181

#	Article	IF	Citations
505	Effect of metformin treatment on insulin action in diabetic rats: In vivo and in vitro correlations. Metabolism: Clinical and Experimental, 1990, 39, 425-435.	1.5	104
506	Direct observation of glycogen synthesis in human muscle with 13C NMR.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4489-4491.	3.3	81
507	13C NMR studies of glycogen turnover in the perfused rat liver. Journal of Biological Chemistry, 1988, 263, 5027-9.	1.6	54
508	Correction of hyperglycemia with phlorizin normalizes tissue sensitivity to insulin in diabetic rats.. Journal of Clinical Investigation, 1987, 79, 1510-1515.	3.9	722
509	Quantitative analysis of glycogen repletion by nuclear magnetic resonance spectroscopy in the conscious rat.. Journal of Clinical Investigation, 1987, 80, 387-393.	3.9	85
510	Effect of chronic hyperglycemia on in vivo insulin secretion in partially pancreatectomized rats.. Journal of Clinical Investigation, 1987, 80, 1037-1044.	3.9	312
511	23Na and 39K NMR studies of ion transport in human erythrocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 1099-1103.	3.3	80
512	A 1H NMR technique for observing metabolite signals in the spectrum of perfused liver.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 5246-5249.	3.3	42
513	Metabolic Response to Three Years of Continuous, Basal Rate Intravenous Insulin Infusion in Type II Diabetic Patients*. Journal of Clinical Endocrinology and Metabolism, 1985, 61, 753-760.	1.8	33
514	Substrate cycling between gluconeogenesis and glycolysis in euthyroid, hypothyroid, and hyperthyroid man.. Journal of Clinical Investigation, 1985, 76, 757-764.	3.9	97
515	Mechanism of liver glycogen repletion in vivo by nuclear magnetic resonance spectroscopy.. Journal of Clinical Investigation, 1985, 76, 1229-1236.	3.9	124
516	Nuclear magnetic resonance spectroscopy in diagnostic and investigative medicine.. Journal of Clinical Investigation, 1984, 74, 1127-1131.	3.9	21
517	Insulin-stimulated tyrosine protein kinase. Characterization and relation to the insulin receptor. Journal of Biological Chemistry, 1984, 259, 5058-65.	1.6	63
518	Effect of hyperglycemia independent of changes in insulin or glucagon on lipolysis in the conscious dog. Metabolism: Clinical and Experimental, 1980, 29, 317-320.	1.5	54
519	Effect of glucose, independent of changes in insulin and glucagon secretion, on alanine metabolism in the conscious dog.. Journal of Clinical Investigation, 1980, 65, 496-505.	3.9	89
520	Glucose Disposal during Insulinopenia in Somatostatin-Treated Dogs. Journal of Clinical Investigation, 1978, 62, 487-491.	3.9	113
521	Insulin Resistance in NAFLD: Potential Mechanisms and Therapies. , 0, , 38-54.		4