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List of Publications by Year
in descending order

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92 papers	17,118 citations	26567 56 h-index	42291 92 g-index
94 all docs	94 docs citations	94 times ranked	24001 citing authors

#	Article	IF	Citations
1	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
2	A Membrane-Bound Diacylglycerol Species Induces PKCÏµ-Mediated Hepatic Insulin Resistance. Cell Metabolism, 2020, 32, 654-664.e5.	7.2	83
3	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
4	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
5	Nonalcoholic Fatty Liver Disease, Insulin Resistance, and Ceramides. New England Journal of Medicine, 2019, 381, 1866-1869.	13.9	67
6	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
7	Adipose glucocorticoid action influences wholeâ€body metabolismviamodulation of hepatic insulin action. FASEB Journal, 2019, 33, 8174-8185.	0.2	12
8	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
9	PEPCK1 Antisense Oligonucleotide Prevents Adiposity and Impairs Hepatic Glycogen Synthesis in High-Fat Male Fed Rats. Endocrinology, 2019, 160, 205-219.	1.4	6
10	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
11	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
12	Nonalcoholic Fatty Liver Disease as a Nexus of Metabolic and Hepatic Diseases. Cell Metabolism, 2018, 27, 22-41.	7.2	496
13	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
14	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
15	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
16	The pathogenesis of insulin resistance: integrating signaling pathways and substrate flux. Journal of Clinical Investigation, 2016, 126, 12-22.	3.9	924
17	The Sweet Path to Metabolic Demise: Fructose and Lipid Synthesis. Trends in Endocrinology and Metabolism, 2016, 27, 719-730.	3.1	166
18	The neuropilin-like protein ESDN regulates insulin signaling and sensitivity. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1184-H1193.	1.5	15

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19	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
20	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
21	Insulin receptor Thr1160 phosphorylation mediates lipid-induced hepatic insulin resistance. Journal of Clinical Investigation, 2016, 126, 4361-4371.	3.9	173
22	3,5 Diiodo-L-Thyronine (T2) Does Not Prevent Hepatic Steatosis or Insulin Resistance in Fat-Fed Sprague Dawley Rats. PLoS ONE, 2015, 10, e0140837.	1.1	23
23	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
24	Coordinated Regulation of Vasopressin Inactivation and Glucose Uptake by Action of TUG Protein in Muscle. Journal of Biological Chemistry, 2015, 290, 14454-14461.	1.6	13
25	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
26	Hepatic insulin resistance and increased hepatic glucose production in mice lacking Fgf21. Journal of Endocrinology, 2015, 226, 207-217.	1.2	41
27	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
28	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
29	A high-protein diet for reducing body fat: mechanisms and possible caveats. Nutrition and Metabolism, 2014, 11, 53.	1.3	169
30	Targeting steroid receptor coactivator 1 with antisense oligonucleotides increases insulin-stimulated skeletal muscle glucose uptake in chow-fed and high-fat-fed male rats. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E773-E783.	1.8	4
31	Pigment Epithelium-Derived Factor (PEDF) Suppresses IL-1Î²-Mediated c-Jun N-Terminal Kinase (JNK) Activation to Improve Hepatocyte Insulin Signaling. Endocrinology, 2014, 155, 1373-1385.	1.4	27
32	The emerging role of oestrogen-related receptor Î³ as a regulator of energy metabolism. Diabetologia, 2014, 57, 2440-2443.	2.9	1
33	Metformin suppresses gluconeogenesis by inhibiting mitochondrial glycerophosphate dehydrogenase. Nature, 2014, 510, 542-546.	13.7	989
34	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
35	The role of hepatic lipids in hepatic insulin resistance and type 2 diabetes. Nature, 2014, 510, 84-91.	13.7	898
36	Regulation of Hepatic Energy Metabolism and Gluconeogenesis by BAD. Cell Metabolism, 2014, 19, 272-284.	7.2	67

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37	Determination of mesenchymal stem cell fate by pigment epitheliumâ€derived factor (PEDF) results in increased adiposity and reduced bone mineral content. FASEB Journal, 2013, 27, 4384-4394.	0.2	71
38	Targeting Pyruvate Carboxylase Reduces Gluconeogenesis and Adiposity and Improves Insulin Resistance. Diabetes, 2013, 62, 2183-2194.	0.3	107
39	Obesity, adiposity, and dyslipidemia: A consensus statement from the National Lipid Association. Journal of Clinical Lipidology, 2013, 7, 304-383.	0.6	346
40	Hepatic glucose production pathways after three days of a high-fat diet. Metabolism: Clinical and Experimental, 2013, 62, 152-162.	1.5	32
41	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
42	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
43	The Role of the Carbohydrate Response Element-Binding Protein in Male Fructose-Fed Rats. Endocrinology, 2013, 154, 36-44.	1.4	73
44	Cellular Mechanisms by Which FGF21 Improves Insulin Sensitivity in Male Mice. Endocrinology, 2013, 154, 3099-3109.	1.4	184
45	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
46	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
47	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
48	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
49	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
50	PP2A inhibition results in hepatic insulin resistance despite Akt2 activation. Aging, 2013, 5, 770-781.	1.4	34
51	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
52	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
53	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
54	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

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55	Fasting hyperglycemia in the Goto-Kakizaki rat is dependent on corticosterone: a confounding variable in rodent models of type 2 diabetes. DMM Disease Models and Mechanisms, 2012, 5, 681-5.	1.2	12
56	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
57	Mechanisms for Insulin Resistance: Common Threads and Missing Links. Cell, 2012, 148, 852-871.	13.5	1,681
58	O-GlcNAc Transferase/Host Cell Factor C1 Complex Regulates Gluconeogenesis by Modulating PGC-1Î± Stability. Cell Metabolism, 2012, 16, 226-237.	7.2	239
59	Insulin resistance is associated with elevated serum pigment epitheliumâ€“derived factor (PEDF) levels in morbidly obese patients. Acta Diabetologica, 2012, 49, 161-169.	1.2	27
60	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
61	Inhibition of Notch signaling ameliorates insulin resistance in a FoxO1-dependent manner. Nature Medicine, 2011, 17, 961-967.	15.2	165
62	FGF19 as a Postprandial, Insulin-Independent Activator of Hepatic Protein and Glycogen Synthesis. Science, 2011, 331, 1621-1624.	6.0	504
63	Desnutrin/ATGL Is Regulated by AMPK and Is Required for a Brown Adipose Phenotype. Cell Metabolism, 2011, 13, 739-748.	7.2	440
64	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
65	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
66	Fructose induced lipogenesis: from sugar to fat to insulin resistance. Trends in Endocrinology and Metabolism, 2011, 22, 60-65.	3.1	218
67	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
68	Apolipoprotein CIII overexpressing mice are predisposed to dietâ€induced hepatic steatosis and hepatic insulin resistance. Hepatology, 2011, 54, 1650-1660.	3.6	114
69	Tumor Progression Locus 2 (TPL2) Regulates Obesity-Associated Inflammation and Insulin Resistance. Diabetes, 2011, 60, 1168-1176.	0.3	47
70	Diabetes in Mice With Selective Impairment of Insulin Action in Glut4-Expressing Tissues. Diabetes, 2011, 60, 700-709.	0.3	48
71	SGLT2 Deletion Improves Glucose Homeostasis and Preserves Pancreatic Î²-Cell Function. Diabetes, 2011, 60, 890-898.	0.3	197
72	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

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73	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
74	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
75	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
76	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
77	Lipid-induced insulin resistance: unravelling the mechanism. Lancet, The, 2010, 375, 2267-2277.	6.3	944
78	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
79	Adipose Overexpression of Desnutrin Promotes Fatty Acid Use and Attenuates Diet-Induced Obesity. Diabetes, 2009, 58, 855-866.	0.3	160
80	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
81	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
82	AdPLA ablation increases lipolysis and prevents obesity induced by high-fat feeding or leptin deficiency. Nature Medicine, 2009, 15, 159-168.	15.2	234
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	Targeting Foxo1 in Mice Using Antisense Oligonucleotide Improves Hepatic and Peripheral Insulin Action. Diabetes, 2006, 55, 2042-2050.	0.3	160

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91	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
92	Mechanism of Hepatic Insulin Resistance in Non-alcoholic Fatty Liver Disease. Journal of Biological Chemistry, 2004, 279, 32345-32353.	1.6	1,069