

Gerald I Shulman

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

520
papers

90,404
citations

151
h-index

289
g-index

534
ext. papers

100,724
ext. citations

13.4
avg, IF

8.25
L-index

#	Paper	IF	Citations
520	Sex- and strain-specific effects of mitochondrial uncoupling on age-related metabolic diseases in high-fat diet-fed mice.. <i>Aging Cell</i> , 2022 , e13539	9.9	1
519	Metformin, phenformin, and galegine inhibit complex IV activity and reduce glycerol-derived gluconeogenesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2122287119	11.5	4
518	MMAB promotes negative feedback control of cholesterol homeostasis. <i>Nature Communications</i> , 2021 , 12, 6448	17.4	0
517	IL-27 signalling promotes adipocyte thermogenesis and energy expenditure. <i>Nature</i> , 2021 , 600, 314-318	50.4	7
516	Dyrk1b promotes hepatic lipogenesis by bypassing canonical insulin signaling and directly activating mTORC2 in mice. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	2
515	CIDEA expression in SAT from adolescent girls with obesity and unfavorable patterns of abdominal fat distribution. <i>Obesity</i> , 2021 , 29, 2068-2080	8	
514	Mitophagy-mediated adipose inflammation contributes to type 2 diabetes with hepatic insulin resistance. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	13
513	A feed-forward regulatory loop in adipose tissue promotes signaling by the hepatokine FGF21. <i>Genes and Development</i> , 2021 , 35, 133-146	12.6	12
512	An update on brown adipose tissue biology: a discussion of recent findings. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E488-E495	6	14
511	Validation of a Gas Chromatography-Mass Spectrometry Method for the Measurement of the Redox State Metabolic Ratios Lactate/Pyruvate and β -Hydroxybutyrate/Acetoacetate in Biological Samples. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
510	Therapeutic potential of mitochondrial uncouplers for the treatment of metabolic associated fatty liver disease and NASH. <i>Molecular Metabolism</i> , 2021 , 46, 101178	8.8	11
509	Point: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E999-E1000	6	2
508	A Single Virtual Consult Reduces Severe Hyperglycemia in Patients Admitted with COVID19 Infection. <i>Journal of the Endocrine Society</i> , 2021 , 5, A335-A335	0.4	78
507	Reply to Carter et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E1003	6	
506	Mechanisms and disease consequences of nonalcoholic fatty liver disease. <i>Cell</i> , 2021 , 184, 2537-2564	56.2	132
505	Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. <i>Diabetes Care</i> , 2021 , 44, 489-498	14.6	18
504	Cellular and Molecular Mechanisms of Metformin Action. <i>Endocrine Reviews</i> , 2021 , 42, 77-96	27.2	70

503	Short-term overnutrition induces white adipose tissue insulin resistance through sn-1,2-diacylglycerol/PKC β /Insulin receptor Thr1160 phosphorylation. <i>JCI Insight</i> , 2021 , 6,	9.9	5
502	Insulin-stimulated endoproteolytic TUG cleavage links energy expenditure with glucose uptake. <i>Nature Metabolism</i> , 2021 , 3, 378-393	14.6	3
501	Deletion of the diabetes candidate gene Slc16a13 in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. <i>Communications Biology</i> , 2021 , 4, 826	6.7	2
500	Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. <i>Cell Metabolism</i> , 2021 , 33, 1836-1852.e11	24.6	5
499	Mechanisms by which adiponectin reverses high fat diet-induced insulin resistance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32584-32593	11.5	20
498	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. <i>Diabetologia</i> , 2020 , 63, 1211-1222	10.3	7
497	Regulation of adipose tissue inflammation by interleukin 6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2751-2760	11.5	94
496	Glucagon stimulates gluconeogenesis by INSP3R1-mediated hepatic lipolysis. <i>Nature</i> , 2020 , 579, 279-283	30.4	45
495	OGT suppresses S6K1-mediated macrophage inflammation and metabolic disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16616-16625	11.5	15
494	Mitochondrial Dysfunction, Insulin Resistance, and Potential Genetic Implications. <i>Endocrinology</i> , 2020 , 161,	4.8	30
493	Slc20a1/Pit1 and Slc20a2/Pit2 are essential for normal skeletal myofiber function and survival. <i>Scientific Reports</i> , 2020 , 10, 3069	4.9	4
492	Mechanistic Links between Obesity, Insulin, and Cancer. <i>Trends in Cancer</i> , 2020 , 6, 75-78	12.5	24
491	Non-alcoholic Fatty Liver Disease and Insulin Resistance 2020 , 455-471		4
490	Metabolic control analysis of hepatic glycogen synthesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8166-8176	11.5	22
489	Effect of a ketogenic diet on hepatic steatosis and hepatic mitochondrial metabolism in nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7347-7354	11.5	52
488	The omentum of obese girls harbors small adipocytes and browning transcripts. <i>JCI Insight</i> , 2020 , 5,	9.9	4
487	Leptin mediates postprandial increases in body temperature through hypothalamus-adrenal medulla-adipose tissue crosstalk. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2001-2016	15.9	16
486	Dissociation of Muscle Insulin Resistance from Alterations in Mitochondrial Substrate Preference. <i>Cell Metabolism</i> , 2020 , 32, 726-735.e5	24.6	10

485	A MicroRNA Linking Human Positive Selection and Metabolic Disorders. <i>Cell</i> , 2020 , 183, 684-701.e14	56.2	15
484	A Membrane-Bound Diacylglycerol Species Induces PKC β -Mediated Hepatic Insulin Resistance. <i>Cell Metabolism</i> , 2020 , 32, 654-664.e5	24.6	32
483	Obesity-Linked PPAR δ S273 Phosphorylation Promotes Insulin Resistance through Growth Differentiation Factor 3. <i>Cell Metabolism</i> , 2020 , 32, 665-675.e6	24.6	20
482	Sodium-glucose cotransporter-2 inhibitors: Understanding the mechanisms for therapeutic promise and persisting risks. <i>Journal of Biological Chemistry</i> , 2020 , 295, 14379-14390	5.4	19
481	Myosteatorsis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. <i>Frontiers in Physiology</i> , 2020 , 11, 963	4.6	65
480	Membrane-bound -1,2-diacylglycerols explain the dissociation of hepatic insulin resistance from hepatic steatosis in MTP knockout mice. <i>Journal of Lipid Research</i> , 2020 , 61, 1565-1576	6.3	6
479	GS-0976 (Firsocostat): an investigational liver-directed acetyl-CoA carboxylase (ACC) inhibitor for the treatment of non-alcoholic steatohepatitis (NASH). <i>Expert Opinion on Investigational Drugs</i> , 2020 , 29, 135-141	5.9	41
478	Effect of a Low-Fat Vegan Diet on Body Weight, Insulin Sensitivity, Postprandial Metabolism, and Intramyocellular and Hepatocellular Lipid Levels in Overweight Adults: A Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e2025454	10.4	24
477	Controlled-release mitochondrial protonophore (CRMP) reverses dyslipidemia and hepatic steatosis in dysmetabolic nonhuman primates. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	24
476	Dehydration and insulinopenia are necessary and sufficient for euglycemic ketoacidosis in SGLT2 inhibitor-treated rats. <i>Nature Communications</i> , 2019 , 10, 548	17.4	42
475	Leptin's hunger-suppressing effects are mediated by the hypothalamic-pituitary-adrenocortical axis in rodents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13670-13679	11.5	29
474	Anti-inflammatory effects of oestrogen mediate the sexual dimorphic response to lipid-induced insulin resistance. <i>Journal of Physiology</i> , 2019 , 597, 3885-3903	3.9	24
473	Considering the Links Between Nonalcoholic Fatty Liver Disease and Insulin Resistance: Revisiting the Role of Protein Kinase C β . <i>Hepatology</i> , 2019 , 70, 2217-2220	11.2	5
472	TFAM Enhances Fat Oxidation and Attenuates High-Fat Diet-Induced Insulin Resistance in Skeletal Muscle. <i>Diabetes</i> , 2019 , 68, 1552-1564	0.9	26
471	Cardiac myocyte KLF5 regulates body weight via alteration of cardiac FGF21. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2125-2137	6.9	6
470	Defective fatty acid oxidation in mice with muscle-specific acyl-CoA synthetase 1 deficiency increases amino acid use and impairs muscle function. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8819-8833	5.4	10
469	Adipose glucocorticoid action influences whole-body metabolism modulation of hepatic insulin action. <i>FASEB Journal</i> , 2019 , 33, 8174-8185	0.9	8
468	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. <i>Diabetes</i> , 2019 , 68, 1168-1177	0.9	10

467	The effects of increased acetate turnover on glucose-induced insulin secretion in lean and obese humans. <i>Journal of Clinical and Translational Science</i> , 2019 , 3, 18-20	0.4	7
466	Nonalcoholic Fatty Liver Disease, Insulin Resistance, and Ceramides. <i>New England Journal of Medicine</i> , 2019 , 381, 1866-1869	59.2	36
465	Adipsin preserves beta cells in diabetic mice and associates with protection from type 2 diabetes in humans. <i>Nature Medicine</i> , 2019 , 25, 1739-1747	50.5	52
464	Regulation of hepatic mitochondrial oxidation by glucose-alanine cycling during starvation in humans. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4671-4675	15.9	20
463	Hepatic insulin sensitivity is improved in high-fat diet-fed Park2 knockout mice in association with increased hepatic AMPK activation and reduced steatosis. <i>Physiological Reports</i> , 2019 , 7, e14281	2.6	5
462	The integrative biology of type 2 diabetes. <i>Nature</i> , 2019 , 576, 51-60	50.4	266
461	Distinct Hepatic PKA and CDK Signaling Pathways Control Activity-Independent Pyruvate Kinase Phosphorylation and Hepatic Glucose Production. <i>Cell Reports</i> , 2019 , 29, 3394-3404.e9	10.6	5
460	Ectopic lipid deposition mediates insulin resistance in adipose specific 11 β hydroxysteroid dehydrogenase type 1 transgenic mice. <i>Metabolism: Clinical and Experimental</i> , 2019 , 93, 1-9	12.7	8
459	Emerging Pharmacological Targets for the Treatment of Nonalcoholic Fatty Liver Disease, Insulin Resistance, and Type 2 Diabetes. <i>Annual Review of Pharmacology and Toxicology</i> , 2019 , 59, 65-87	17.9	38
458	Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. <i>Cell Reports</i> , 2018 , 22, 2133-2145	10.6	65
457	studies on the mechanism of methylene cyclopropyl acetic acid and methylene cyclopropyl glycine-induced hypoglycemia. <i>Biochemical Journal</i> , 2018 , 475, 1063-1074	3.8	6
456	Angptl8 antisense oligonucleotide improves adipose lipid metabolism and prevents diet-induced NAFLD and hepatic insulin resistance in rodents. <i>Diabetologia</i> , 2018 , 61, 1435-1446	10.3	34
455	Skeletal Muscle-Specific Deletion of MKP-1 Reveals a p38 MAPK/JNK/Akt Signaling Node That Regulates Obesity-Induced Insulin Resistance. <i>Diabetes</i> , 2018 , 67, 624-635	0.9	37
454	Leptin Mediates a Glucose-Fatty Acid Cycle to Maintain Glucose Homeostasis in Starvation. <i>Cell</i> , 2018 , 172, 234-248.e17	56.2	74
453	Nonalcoholic Fatty Liver Disease as a Nexus of Metabolic and Hepatic Diseases. <i>Cell Metabolism</i> , 2018 , 27, 22-41	24.6	298
452	Loss of Nucleobindin-2 Causes Insulin Resistance in Obesity without Impacting Satiety or Adiposity. <i>Cell Reports</i> , 2018 , 24, 1085-1092.e6	10.6	12
451	Mechanisms of Insulin Action and Insulin Resistance. <i>Physiological Reviews</i> , 2018 , 98, 2133-2223	47.9	718
450	Metformin inhibits gluconeogenesis via a redox-dependent mechanism in vivo. <i>Nature Medicine</i> , 2018 , 24, 1384-1394	50.5	118

449	Deciphering the Role of Lipid Droplets in Cardiovascular Disease: A Report From the 2017 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2018 , 138, 305-315	16.7	47
448	Elevated hepatic expression of H19 long noncoding RNA contributes to diabetic hyperglycemia. <i>JCI Insight</i> , 2018 , 3,	9.9	38
447	Lacteal junction zippering protects against diet-induced obesity. <i>Science</i> , 2018 , 361, 599-603	33.3	85
446	Adipocyte JAK2 Regulates Hepatic Insulin Sensitivity Independently of Body Composition, Liver Lipid Content, and Hepatic Insulin Signaling. <i>Diabetes</i> , 2018 , 67, 208-221	0.9	16
445	Mechanisms by which a Very-Low-Calorie Diet Reverses Hyperglycemia in a Rat Model of Type 2 Diabetes. <i>Cell Metabolism</i> , 2018 , 27, 210-217.e3	24.6	55
444	The circulating metabolome of human starvation. <i>JCI Insight</i> , 2018 , 3,	9.9	46
443	Absence of ANGPTL4 in adipose tissue improves glucose tolerance and attenuates atherogenesis. <i>JCI Insight</i> , 2018 , 3,	9.9	59
442	The Role of Leptin in Maintaining Plasma Glucose During Starvation. <i>Postdoc Journal</i> , 2018 , 6, 3-19		6
441	PKC ζ contributes to lipid-induced insulin resistance through cross talk with p70S6K and through previously unknown regulators of insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8996-E9005	11.5	32
440	Acetyl-CoA Carboxylase Inhibition Reverses NAFLD and Hepatic Insulin Resistance but Promotes Hypertriglyceridemia in Rodents. <i>Hepatology</i> , 2018 , 68, 2197-2211	11.2	106
439	Uncoupling Hepatic Oxidative Phosphorylation Reduces Tumor Growth in Two Murine Models of Colon Cancer. <i>Cell Reports</i> , 2018 , 24, 47-55	10.6	33
438	17 β Estradiol Alleviates Age-related Metabolic and Inflammatory Dysfunction in Male Mice Without Inducing Feminization. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 3-15	6.4	61
437	Loss of astrocyte cholesterol synthesis disrupts neuronal function and alters whole-body metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1189-1194	11.5	77
436	The human longevity gene homolog INDY and interleukin-6 interact in hepatic lipid metabolism. <i>Hepatology</i> , 2017 , 66, 616-630	11.2	33
435	A Non-invasive Method to Assess Hepatic Acetyl-CoA In Vivo. <i>Cell Metabolism</i> , 2017 , 25, 749-756	24.6	17
434	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. <i>Diabetes</i> , 2017 , 66, 2241-2253	0.9	89
433	Mitochondrial-Targeted Catalase Protects Against High-Fat Diet-Induced Muscle Insulin Resistance by Decreasing Intramuscular Lipid Accumulation. <i>Diabetes</i> , 2017 , 66, 2072-2081	0.9	35
432	Hepatic Diacylglycerol-Associated Protein Kinase C α Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. <i>Cell Reports</i> , 2017 , 19, 1997-2004	10.6	89

431	Roles of Diacylglycerols and Ceramides in Hepatic Insulin Resistance. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 649-665	13.2	172
430	Selective Chemical Inhibition of PGC-1 β Gluconeogenic Activity Ameliorates Type 2 Diabetes. <i>Cell</i> , 2017 , 169, 148-160.e15	56.2	101
429	A controlled-release mitochondrial protonophore reverses hypertriglyceridemia, nonalcoholic steatohepatitis, and diabetes in lipodystrophic mice. <i>FASEB Journal</i> , 2017 , 31, 2916-2924	0.9	30
428	Hepatic Inositol 1,4,5 Trisphosphate Receptor Type 1 Mediates Fatty Liver. <i>Hepatology Communications</i> , 2017 , 1, 23-35	6	38
427	Absence of Carbohydrate Response Element Binding Protein in Adipocytes Causes Systemic Insulin Resistance and Impairs Glucose Transport. <i>Cell Reports</i> , 2017 , 21, 1021-1035	10.6	74
426	Non-invasive assessment of hepatic mitochondrial metabolism by positional isotopomer NMR tracer analysis (PINTA). <i>Nature Communications</i> , 2017 , 8, 798	17.4	31
425	Retinol saturase modulates lipid metabolism and the production of reactive oxygen species. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 633, 93-102	4.1	20
424	Pathogenesis of hypothyroidism-induced NAFLD is driven by intra- and extrahepatic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9172-E9180	11.5	30
423	Regulation of hepatic glucose metabolism in health and disease. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 572-587	15.2	421
422	Mechanism by which arylamine -acetyltransferase 1 ablation causes insulin resistance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11285-E11292	11.5	36
421	Adipocyte JAK2 mediates growth hormone-induced hepatic insulin resistance. <i>JCI Insight</i> , 2017 , 2, e910019	0.9	23
420	Mechanism for leptin's acute insulin-independent effect to reverse diabetic ketoacidosis. <i>Journal of Clinical Investigation</i> , 2017 , 127, 657-669	15.9	44
419	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. <i>Diabetes</i> , 2016 , 65, 74-84	0.9	67
418	CD301b(+) Mononuclear Phagocytes Maintain Positive Energy Balance through Secretion of Resistin-like Molecule Alpha. <i>Immunity</i> , 2016 , 45, 583-596	32.3	28
417	Resolution of non-alcoholic steatohepatitis after growth hormone replacement in a pediatric liver transplant patient with panhypopituitarism. <i>Pediatric Transplantation</i> , 2016 , 20, 1157-1163	1.8	8
416	MARCH1 regulates insulin sensitivity by controlling cell surface insulin receptor levels. <i>Nature Communications</i> , 2016 , 7, 12639	17.4	44
415	Imeglimin lowers glucose primarily by amplifying glucose-stimulated insulin secretion in high-fat-fed rodents. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E461-70	6	24
414	Acetate mediates a microbiome-brain-cell axis to promote metabolic syndrome. <i>Nature</i> , 2016 , 534, 213-7	50.4	677

413	XBP1s Is an Anti-lipogenic Protein. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17394-404	5.4	46
412	Hypophosphatemia promotes lower rates of muscle ATP synthesis. <i>FASEB Journal</i> , 2016 , 30, 3378-3387	0.9	45
411	Argininosuccinate synthetase regulates hepatic AMPK linking protein catabolism and ureagenesis to hepatic lipid metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3423-30	11.5	33
410	Propionate Increases Hepatic Pyruvate Cycling and Anaplerosis and Alters Mitochondrial Metabolism. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12161-70	5.4	40
409	AMPK is critical for mitochondrial function during reperfusion after myocardial ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 91, 104-13	5.8	52
408	Second-generation antisense oligonucleotides against Eatenin protect mice against diet-induced hepatic steatosis and hepatic and peripheral insulin resistance. <i>FASEB Journal</i> , 2016 , 30, 1207-17	0.9	14
407	Pleotropic effects of leptin to reverse insulin resistance and diabetic ketoacidosis. <i>Diabetologia</i> , 2016 , 59, 933-7	10.3	25
406	Disruption of Adipose Rab10-Dependent Insulin Signaling Causes Hepatic Insulin Resistance. <i>Diabetes</i> , 2016 , 65, 1577-89	0.9	33
405	Anti-myostatin antibody increases muscle mass and strength and improves insulin sensitivity in old mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2212-7	11.5	99
404	A Role of the Inflammasome in the Low Storage Capacity of the Abdominal Subcutaneous Adipose Tissue in Obese Adolescents. <i>Diabetes</i> , 2016 , 65, 610-8	0.9	64
403	Insulin receptor Thr1160 phosphorylation mediates lipid-induced hepatic insulin resistance. <i>Journal of Clinical Investigation</i> , 2016 , 126, 4361-4371	15.9	131
402	The pathogenesis of insulin resistance: integrating signaling pathways and substrate flux. <i>Journal of Clinical Investigation</i> , 2016 , 126, 12-22	15.9	626
401	Assessment of Hepatic Mitochondrial Oxidation and Pyruvate Cycling in NAFLD by (13)C Magnetic Resonance Spectroscopy. <i>Cell Metabolism</i> , 2016 , 24, 167-71	24.6	40
400	Reduced intestinal lipid absorption and body weight-independent improvements in insulin sensitivity in high-fat diet-fed Park2 knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E105-16	6	8
399	Insulin Resistance in Type 2 Diabetes 2016 , 174-186		3
398	Acetylation of TUG protein promotes the accumulation of GLUT4 glucose transporters in an insulin-responsive intracellular compartment. <i>Journal of Biological Chemistry</i> , 2015 , 290, 4447-63	5.4	36
397	Reply to Constantin-Teodosiu et al.: mice with genetic PDH activation are not protected from high-fat diet-induced muscle insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E825	11.5	3
396	Controlled-release mitochondrial protonophore reverses diabetes and steatohepatitis in rats. <i>Science</i> , 2015 , 347, 1253-6	33.3	190

395	Response to burgess. <i>Nature Medicine</i> , 2015 , 21, 109-10	50.5	7
394	Effect of aging on muscle mitochondrial substrate utilization in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11330-4	11.5	52
393	ApoA5 knockdown improves whole-body insulin sensitivity in high-fat-fed mice by reducing ectopic lipid content. <i>Journal of Lipid Research</i> , 2015 , 56, 526-536	6.3	34
392	FGF1 and FGF19 reverse diabetes by suppression of the hypothalamic-pituitary-adrenal axis. <i>Nature Communications</i> , 2015 , 6, 6980	17.4	74
391	An ERK/Cdk5 axis controls the diabetogenic actions of PPAR α . <i>Nature</i> , 2015 , 517, 391-5	50.4	196
390	Hepatic mitogen-activated protein kinase phosphatase 1 selectively regulates glucose metabolism and energy homeostasis. <i>Molecular and Cellular Biology</i> , 2015 , 35, 26-40	4.8	42
389	Type 2 diabetes mellitus. <i>Nature Reviews Disease Primers</i> , 2015 , 1, 15019	51.1	651
388	Short-term food restriction followed by controlled refeeding promotes gorging behavior, enhances fat deposition, and diminishes insulin sensitivity in mice. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 721-8	6.3	17
387	Macrophage-specific de Novo Synthesis of Ceramide Is Dispensable for Inflammasome-driven Inflammation and Insulin Resistance in Obesity. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29402-13	5.4	39
386	Insulin-independent regulation of hepatic triglyceride synthesis by fatty acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1143-8	11.5	139
385	Hepatic acetyl CoA links adipose tissue inflammation to hepatic insulin resistance and type 2 diabetes. <i>Cell</i> , 2015 , 160, 745-758	56.2	419
384	Neuronal UCP1 expression suggests a mechanism for local thermogenesis during hibernation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1607-12	11.5	25
383	Prevention of diet-induced hepatic steatosis and hepatic insulin resistance by second generation antisense oligonucleotides targeted to the longevity gene mIndy (Slc13a5). <i>Aging</i> , 2015 , 7, 1086-93	5.6	24
382	A role for mitochondrial phosphoenolpyruvate carboxykinase (PEPCK-M) in the regulation of hepatic gluconeogenesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7257-63	5.4	65
381	Nonalcoholic fatty liver disease, hepatic insulin resistance, and type 2 diabetes. <i>Hepatology</i> , 2014 , 59, 713-23	11.2	427
380	Direct assessment of hepatic mitochondrial oxidative and anaplerotic fluxes in humans using dynamic 13C magnetic resonance spectroscopy. <i>Nature Medicine</i> , 2014 , 20, 98-102	50.5	69
379	Metformin suppresses gluconeogenesis by inhibiting mitochondrial glycerophosphate dehydrogenase. <i>Nature</i> , 2014 , 510, 542-6	50.4	778
378	Cyclin D1-Cdk4 controls glucose metabolism independently of cell cycle progression. <i>Nature</i> , 2014 , 510, 547-51	50.4	158

377	The mammalian INDY homolog is induced by CREB in a rat model of type 2 diabetes. <i>Diabetes</i> , 2014 , 63, 1048-57	0.9	29
376	Ectopic fat in insulin resistance, dyslipidemia, and cardiometabolic disease. <i>New England Journal of Medicine</i> , 2014 , 371, 1131-41	59.2	564
375	Niclosamide ethanolamine-induced mild mitochondrial uncoupling improves diabetic symptoms in mice. <i>Nature Medicine</i> , 2014 , 20, 1263-9	50.5	165
374	Muscle-specific activation of Ca(2+)/calmodulin-dependent protein kinase IV increases whole-body insulin action in mice. <i>Diabetologia</i> , 2014 , 57, 1232-41	10.3	7
373	Tissue-specific differences in the development of insulin resistance in a mouse model for type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 3856-67	0.9	41
372	Leptin reverses diabetes by suppression of the hypothalamic-pituitary-adrenal axis. <i>Nature Medicine</i> , 2014 , 20, 759-63	50.5	142
371	Oste ⁺ mice exhibit altered expression of intestinal lipid absorption genes, resistance to age-related weight gain, and modestly improved insulin sensitivity. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, G425-38	5.1	11
370	The role of hepatic lipids in hepatic insulin resistance and type 2 diabetes. <i>Nature</i> , 2014 , 510, 84-91	50.4	701
369	Regulation of hepatic energy metabolism and gluconeogenesis by BAD. <i>Cell Metabolism</i> , 2014 , 19, 272-84	11.6	55
368	Ceramide-activated phosphatase mediates fatty acid-induced endothelial VEGF resistance and impaired angiogenesis. <i>American Journal of Pathology</i> , 2014 , 184, 1562-76	5.8	33
367	Ectopic fat in insulin resistance, dyslipidemia, and cardiometabolic disease. <i>New England Journal of Medicine</i> , 2014 , 371, 2237-8	59.2	129
366	Mitochondrial GTP insensitivity contributes to hypoglycemia in hyperinsulinemia hyperammonemia by inhibiting glucagon release. <i>Diabetes</i> , 2014 , 63, 4218-29	0.9	14
365	The H19/let-7 double-negative feedback loop contributes to glucose metabolism in muscle cells. <i>Nucleic Acids Research</i> , 2014 , 42, 13799-811	20.1	174
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