

# Jason K Kim

## List of Publications by Year in Descending Order

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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.

175 papers	21,506 citations	76 h-index	146 g-index
186 ext. papers	23,758 ext. citations	9.8 avg, IF	6.21 L-index

#	Paper	IF	Citations
175	Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance.. <i>Nature Communications</i> , <b>2022</b> , 13, 735	17.4	2
174	Rho/ROCK mechanosensor in adipocyte stiffness and traction force generation.. <i>Biochemical and Biophysical Research Communications</i> , <b>2022</b> , 606, 42-48	3.4	
173	CRISPR-enhanced human adipocyte browning as cell therapy for metabolic disease. <i>Nature Communications</i> , <b>2021</b> , 12, 6931	17.4	4
172	Muscle-generated BDNF (brain derived neurotrophic factor) maintains mitochondrial quality control in female mice. <i>Autophagy</i> , <b>2021</b> , 1-18	10.2	3
171	Maternal exposure to high-fat diet during pregnancy and lactation predisposes normal weight offspring mice to develop hepatic inflammation and insulin resistance. <i>Physiological Reports</i> , <b>2021</b> , 9, e14811	2.6	1
170	Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens. <i>Diabetes</i> , <b>2021</b> , 70, 1857-1873	0.9	3
169	Characterization of Viral Insulin-Like Peptides Reveals Unique White Adipose Tissue Specific Characteristics. <i>Journal of the Endocrine Society</i> , <b>2021</b> , 5, A437-A438	0.4	78
168	Characterization of viral insulins reveals white adipose tissue-specific effects in mice. <i>Molecular Metabolism</i> , <b>2021</b> , 44, 101121	8.8	5
167	Disrupted glucose homeostasis and skeletal-muscle-specific glucose uptake in an exocyst knockout mouse model. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100482	5.4	3
166	Distinct Changes in Gut Microbiota Are Associated with Estradiol-Mediated Protection from Diet-Induced Obesity in Female Mice. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	3
165	Differential roles of FOXO transcription factors on insulin action in brown and white adipose tissue. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
164	Hepatic NADH reductive stress underlies common variation in metabolic traits. <i>Nature</i> , <b>2020</b> , 583, 122-136	36.4	44
163	Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 4561	4.9	7
162	Arrestin domain-containing 3 (Arrdc3) modulates insulin action and glucose metabolism in liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6733-6740	11.5	14
161	A big-data approach to understanding metabolic rate and response to obesity in laboratory mice. <i>ELife</i> , <b>2020</b> , 9,	8.9	21
160	Thioredoxin Interacting Protein Is Required for a Chronic Energy-Rich Diet to Promote Intestinal Fructose Absorption. <i>iScience</i> , <b>2020</b> , 23, 101521	6.1	3
159	Identification of an Anti-diabetic, Orally Available Small Molecule that Regulates TXNIP Expression and Glucagon Action. <i>Cell Metabolism</i> , <b>2020</b> , 32, 353-365.e8	24.6	24

158	Muscle-Specific Insulin Receptor Overexpression Protects Mice From Diet-Induced Glucose Intolerance but Leads to Postreceptor Insulin Resistance. <i>Diabetes</i> , <b>2020</b> , 69, 2294-2309	0.9	6
157	Hyperinsulinemia drives hepatic insulin resistance in male mice with liver-specific Ceacam1 deletion independently of lipolysis. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 93, 33-43	12.7	19
156	GABA-stimulated adipose-derived stem cells suppress subcutaneous adipose inflammation in obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11936-11945	11.5	25
155	Multi-dimensional Transcriptional Remodeling by Physiological Insulin In Vivo. <i>Cell Reports</i> , <b>2019</b> , 26, 3429-3443.e3	10.6	39
154	Adiposity-Independent Effects of Aging on Insulin Sensitivity and Clearance in Mice and Humans. <i>Obesity</i> , <b>2019</b> , 27, 434-443	8	22
153	Defective daily temperature regulation in a mouse model of amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , <b>2019</b> , 311, 305-312	5.7	2
152	Muscle-generated BDNF is a sexually dimorphic myokine that controls metabolic flexibility. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	28
151	A Receptor of the Immunoglobulin Superfamily Regulates Adaptive Thermogenesis. <i>Cell Reports</i> , <b>2019</b> , 28, 773-791.e7	10.6	17
150	Mss51 deletion enhances muscle metabolism and glucose homeostasis in mice. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	7
149	SAT-174 Loss of CEACAM1 in Endothelial Cells Causes Hepatic Fibrogenesis. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
148	SUN-092 Distinct Changes in Gut Microbiota Are Associated with Estradiol-Mediated Protection from Diet-Induced Obesity in Female Mice. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
147	SAT-151 Hyperinsulinemia-Driven Progressive Metabolic Dysfunction in Male Mice with Liver-Specific CEACAM1 Deletion. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
146	Interleukin-6 derived from cutaneous deficiency of stearoyl-CoA desaturase- 1 may mediate metabolic organ crosstalk among skin, adipose tissue and liver. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 508, 87-91	3.4	5
145	Loss of Nuclear and Membrane Estrogen Receptor-Differentially Impairs Insulin Secretion and Action in Male and Female Mice. <i>Diabetes</i> , <b>2019</b> , 68, 490-501	0.9	24
144	Nocturnal activation of melatonin receptor type 1 signaling modulates diurnal insulin sensitivity via regulation of PI3K activity. <i>Journal of Pineal Research</i> , <b>2018</b> , 64, e12462	10.4	46
143	Myeloid-specific Acat1 ablation attenuates inflammatory responses in macrophages, improves insulin sensitivity, and suppresses diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E340-E356	6	12
142	Myeloid-specific deletion of Zfp36 protects against insulin resistance and fatty liver in diet-induced obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E676-E693	6	5
141	Endoplasmic reticulum chaperone GRP78 regulates macrophage function and insulin resistance in diet-induced obesity. <i>FASEB Journal</i> , <b>2018</b> , 32, 2292-2304	0.9	15

140	CRISPR-delivery particles targeting nuclear receptor-interacting protein 1 () in adipose cells to enhance energy expenditure. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 17291-17305	5.4	24
139	Gingerenone A, a polyphenol present in ginger, suppresses obesity and adipose tissue inflammation in high-fat diet-fed mice. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1700139	5.9	53
138	A Protein Scaffold Coordinates SRC-Mediated JNK Activation in Response to Metabolic Stress. <i>Cell Reports</i> , <b>2017</b> , 20, 2775-2783	10.6	19
137	Liver-specific reconstitution of CEACAM1 reverses the metabolic abnormalities caused by its global deletion in male mice. <i>Diabetologia</i> , <b>2017</b> , 60, 2463-2474	10.3	19
136	Sclerostin influences body composition by regulating catabolic and anabolic metabolism in adipocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E11238-E11247	11.5	75
135	Nrg4 promotes fuel oxidation and a healthy adipokine profile to ameliorate diet-induced metabolic disorders. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 863-872	8.8	59
134	Adipocyte lipid synthesis coupled to neuronal control of thermogenic programming. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 781-796	8.8	32
133	IL-10 prevents aging-associated inflammation and insulin resistance in skeletal muscle. <i>FASEB Journal</i> , <b>2017</b> , 31, 701-710	0.9	62
132	Altered Interleukin-10 Signaling in Skeletal Muscle Regulates Obesity-Mediated Inflammation and Insulin Resistance. <i>Molecular and Cellular Biology</i> , <b>2016</b> , 36, 2956-2966	4.8	48
131	Protein Kinase Mitogen-activated Protein Kinase Kinase Kinase Kinase 4 (MAP4K4) Promotes Obesity-induced Hyperinsulinemia. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 16221-30	5.4	13
130	Human brite/beige adipocytes develop from capillary networks, and their implantation improves metabolic homeostasis in mice. <i>Nature Medicine</i> , <b>2016</b> , 22, 312-8	50.5	193
129	Genetic ablation of lymphocytes and cytokine signaling in nonobese diabetic mice prevents diet-induced obesity and insulin resistance. <i>FASEB Journal</i> , <b>2016</b> , 30, 1328-38	0.9	7
128	Tenomodulin promotes human adipocyte differentiation and beneficial visceral adipose tissue expansion. <i>Nature Communications</i> , <b>2016</b> , 7, 10686	17.4	44
127	Dietary Betaine Supplementation Increases Fgf21 Levels to Improve Glucose Homeostasis and Reduce Hepatic Lipid Accumulation in Mice. <i>Diabetes</i> , <b>2016</b> , 65, 902-12	0.9	54
126	Increased Glucose-induced Secretion of Glucagon-like Peptide-1 in Mice Lacking the Carcinoembryonic Antigen-related Cell Adhesion Molecule 2 (CEACAM2). <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 980-8	5.4	5
125	ChREBP regulates fructose-induced glucose production independently of insulin signaling. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4372-4386	15.9	118
124	PI3-kinase mutation linked to insulin and growth factor resistance in vivo. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1401-12	15.9	37
123	Excitatory transmission onto AgRP neurons is regulated by cJun NH2-terminal kinase 3 in response to metabolic stress. <i>ELife</i> , <b>2016</b> , 5, e10031	8.9	20

122	An alternative splicing program promotes adipose tissue thermogenesis. <i>ELife</i> , <b>2016</b> , 5,	8.9	32
121	Cardiac-Specific Disruption of GH Receptor Alters Glucose Homeostasis While Maintaining Normal Cardiac Performance in Adult Male Mice. <i>Endocrinology</i> , <b>2016</b> , 157, 1929-41	4.8	16
120	Adipocyte-specific Hypoxia-inducible gene 2 promotes fat deposition and diet-induced insulin resistance. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1149-1161	8.8	23
119	Glucose Transporter-4 Facilitates Insulin-Stimulated Glucose Uptake in Osteoblasts. <i>Endocrinology</i> , <b>2016</b> , 157, 4094-4103	4.8	51
118	Deficiency of the tumor promoter gene wip1 induces insulin resistance. <i>Molecular Endocrinology</i> , <b>2015</b> , 29, 28-39		5
117	Transient receptor potential vanilloid type-1 channel regulates diet-induced obesity, insulin resistance, and leptin resistance. <i>FASEB Journal</i> , <b>2015</b> , 29, 3182-92	0.9	85
116	A major role of insulin in promoting obesity-associated adipose tissue inflammation. <i>Molecular Metabolism</i> , <b>2015</b> , 4, 507-18	8.8	85
115	Forced Hepatic Overexpression of CEACAM1 Curtails Diet-Induced Insulin Resistance. <i>Diabetes</i> , <b>2015</b> , 64, 2780-90	0.9	40
114	Inducible Deletion of Protein Kinase Map4k4 in Obese Mice Improves Insulin Sensitivity in Liver and Adipose Tissues. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 2356-65	4.8	18
113	Safety of Striatal Infusion of siRNA in a Transgenic Huntington's Disease Mouse Model. <i>Journal of Huntington's Disease</i> , <b>2015</b> , 4, 219-229	1.9	5
112	RAGE regulates the metabolic and inflammatory response to high-fat feeding in mice. <i>Diabetes</i> , <b>2014</b> , 63, 1948-65	0.9	124
111	Transgenic expression of dominant-active IDOL in liver causes diet-induced hypercholesterolemia and atherosclerosis in mice. <i>Circulation Research</i> , <b>2014</b> , 115, 442-9	15.7	18
110	MicroRNA-378 controls classical brown fat expansion to counteract obesity. <i>Nature Communications</i> , <b>2014</b> , 5, 4725	17.4	90
109	The PPAREFGF21 hormone axis contributes to metabolic regulation by the hepatic JNK signaling pathway. <i>Cell Metabolism</i> , <b>2014</b> , 20, 512-25	24.6	109
108	Altered miRNA processing disrupts brown/white adipocyte determination and associates with lipodystrophy. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3339-51	15.9	128
107	IL-1 signaling in obesity-induced hepatic lipogenesis and steatosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e107265	3.7	79
106	Diet-induced obesity mediated by the JNK/DIO2 signal transduction pathway. <i>Genes and Development</i> , <b>2013</b> , 27, 2345-55	12.6	31
105	CD40 deficiency in mice exacerbates obesity-induced adipose tissue inflammation, hepatic steatosis, and insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 304, E951-63	6	39

104	JNK expression by macrophages promotes obesity-induced insulin resistance and inflammation. <i>Science</i> , <b>2013</b> , 339, 218-22	33.3	455
103	GRP78 plays an essential role in adipogenesis and postnatal growth in mice. <i>FASEB Journal</i> , <b>2013</b> , 27, 955-64	0.9	32
102	Glucose Tolerance in Mice is Linked to the Dose of the p53 Transactivation Domain. <i>Endocrine Research</i> , <b>2013</b> , 38, 139-150	1.9	16
101	Role of the mixed-lineage protein kinase pathway in the metabolic stress response to obesity. <i>Cell Reports</i> , <b>2013</b> , 4, 681-8	10.6	29
100	Baf60c drives glycolytic metabolism in the muscle and improves systemic glucose homeostasis through Deptor-mediated Akt activation. <i>Nature Medicine</i> , <b>2013</b> , 19, 640-5	50.5	85
99	Molecular network analysis of phosphotyrosine and lipid metabolism in hepatic PTP1b deletion mice. <i>Integrative Biology (United Kingdom)</i> , <b>2013</b> , 5, 940-63	3.7	13
98	Cardiac expression of human type 2 iodothyronine deiodinase increases glucose metabolism and protects against doxorubicin-induced cardiac dysfunction in male mice. <i>Endocrinology</i> , <b>2013</b> , 154, 3937-46	4.8	17
97	Role of TRPM2 in cell proliferation and susceptibility to oxidative stress. <i>American Journal of Physiology - Cell Physiology</i> , <b>2013</b> , 304, C548-60	5.4	42
96	Short-term weight loss attenuates local tissue inflammation and improves insulin sensitivity without affecting adipose inflammation in obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 304, E964-76	6	25
95	KLF15 is a molecular link between endoplasmic reticulum stress and insulin resistance. <i>PLoS ONE</i> , <b>2013</b> , 8, e77851	3.7	28
94	Gut-derived serotonin is a multifunctional determinant to fasting adaptation. <i>Cell Metabolism</i> , <b>2012</b> , 16, 588-600	24.6	134
93	Long-term, efficient inhibition of microRNA function in mice using rAAV vectors. <i>Nature Methods</i> , <b>2012</b> , 9, 403-9	21.6	159
92	Essential role of protein tyrosine phosphatase 1B in obesity-induced inflammation and peripheral insulin resistance during aging. <i>Aging Cell</i> , <b>2012</b> , 11, 284-96	9.9	60
91	Endothelial nuclear factor B in obesity and aging: is endothelial nuclear factor B a master regulator of inflammation and insulin resistance?. <i>Circulation</i> , <b>2012</b> , 125, 1081-3	16.7	30
90	TRPM2 Ca <sup>2+</sup> channel regulates energy balance and glucose metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E807-16	6	51
89	Cytoplasmic polyadenylation element binding protein deficiency stimulates PTEN and Stat3 mRNA translation and induces hepatic insulin resistance. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002457	6	38
88	Hepatic Src homology phosphatase 2 regulates energy balance in mice. <i>Endocrinology</i> , <b>2012</b> , 153, 3158-69	4.8	35
87	New insights into insulin resistance in the diabetic heart. <i>Trends in Endocrinology and Metabolism</i> , <b>2011</b> , 22, 394-403	8.8	80

86	The association of phosphoinositide 3-kinase enhancer A with hepatic insulin receptor enhances its kinase activity. <i>EMBO Reports</i> , <b>2011</b> , 12, 847-54	6.5	10
85	Circulating sphingolipid biomarkers in models of type 1 diabetes. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 509-17	6.3	97
84	Links between insulin resistance, adenosine A2B receptors, and inflammatory markers in mice and humans. <i>Diabetes</i> , <b>2011</b> , 60, 669-79	0.9	92
83	Inflammation and insulin resistance: an old story with new ideas. <i>Korean Diabetes Journal</i> , <b>2010</b> , 34, 137-45		9
82	Deficiency of phosphoinositide 3-kinase enhancer protects mice from diet-induced obesity and insulin resistance. <i>Diabetes</i> , <b>2010</b> , 59, 883-93	0.9	22
81	Role of muscle c-Jun NH2-terminal kinase 1 in obesity-induced insulin resistance. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 106-15	4.8	122
80	Role of the hypothalamic-pituitary-thyroid axis in metabolic regulation by JNK1. <i>Genes and Development</i> , <b>2010</b> , 24, 256-64	12.6	92
79	Fat cell-specific ablation of rictor in mice impairs insulin-regulated fat cell and whole-body glucose and lipid metabolism. <i>Diabetes</i> , <b>2010</b> , 59, 1397-406	0.9	197
78	Requirement of the ATM/p53 tumor suppressor pathway for glucose homeostasis. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 5787-94	4.8	92
77	Early hepatic insulin resistance precedes the onset of diabetes in obese C57BLKS-db/db mice. <i>Diabetes</i> , <b>2010</b> , 59, 1616-25	0.9	53
76	Uncoupling of inflammation and insulin resistance by NF-kappaB in transgenic mice through elevated energy expenditure. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 4637-44	5.4	125
75	Grp78 heterozygosity promotes adaptive unfolded protein response and attenuates diet-induced obesity and insulin resistance. <i>Diabetes</i> , <b>2010</b> , 59, 6-16	0.9	134
74	Requirement of JIP1-mediated c-Jun N-terminal kinase activation for obesity-induced insulin resistance. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 4616-25	4.8	18
73	Carcinoembryonic antigen-related cell adhesion molecule 2 controls energy balance and peripheral insulin action in mice. <i>Gastroenterology</i> , <b>2010</b> , 139, 644-52, 652.e1	13.3	18
72	PKCzeta-regulated inflammation in the nonhematopoietic compartment is critical for obesity-induced glucose intolerance. <i>Cell Metabolism</i> , <b>2010</b> , 12, 65-77	24.6	24
71	FoxO1 expression in osteoblasts regulates glucose homeostasis through regulation of osteocalcin in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 357-68	15.9	171
70	Increased hepatic insulin action in diet-induced obese mice following inhibition of glucosylceramide synthase. <i>PLoS ONE</i> , <b>2010</b> , 5, e11239	3.7	28
69	The transcription factor ATF4 regulates glucose metabolism in mice through its expression in osteoblasts. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 2807-17	15.9	170



68	Nutrient stress activates inflammation and reduces glucose metabolism by suppressing AMP-activated protein kinase in the heart. <i>Diabetes</i> , <b>2009</b> , 58, 2536-46	0.9	126
67	COMP-angiopoietin-1 enhances skeletal muscle blood flow and insulin sensitivity in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 297, E402-9	6	22
66	Liver-specific deletion of protein-tyrosine phosphatase 1B (PTP1B) improves metabolic syndrome and attenuates diet-induced endoplasmic reticulum stress. <i>Diabetes</i> , <b>2009</b> , 58, 590-9	0.9	206
65	Skeletal muscle-specific deletion of lipoprotein lipase enhances insulin signaling in skeletal muscle but causes insulin resistance in liver and other tissues. <i>Diabetes</i> , <b>2009</b> , 58, 116-24	0.9	80
64	Interleukin-10 prevents diet-induced insulin resistance by attenuating macrophage and cytokine response in skeletal muscle. <i>Diabetes</i> , <b>2009</b> , 58, 2525-35	0.9	268
63	An Osteoblast-dependent mechanism contributes to the leptin regulation of insulin secretion. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1173 Suppl 1, E20-30	6.5	47
62	Prevention of steatosis by hepatic JNK1. <i>Cell Metabolism</i> , <b>2009</b> , 10, 491-8	24.6	116
61	KSR2 is an essential regulator of AMP kinase, energy expenditure, and insulin sensitivity. <i>Cell Metabolism</i> , <b>2009</b> , 10, 366-78	24.6	114
60	Fibroblast growth factor 21 reverses hepatic steatosis, increases energy expenditure, and improves insulin sensitivity in diet-induced obese mice. <i>Diabetes</i> , <b>2009</b> , 58, 250-9	0.9	826
59	Hyperinsulinemic-euglycemic clamp to assess insulin sensitivity in vivo. <i>Methods in Molecular Biology</i> , <b>2009</b> , 560, 221-38	1.4	107
58	Txnip balances metabolic and growth signaling via PTEN disulfide reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 3921-6	11.5	169
57	The melanocortin-3 receptor is required for entrainment to meal intake. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 12946-55	6.6	110
56	A stress signaling pathway in adipose tissue regulates hepatic insulin resistance. <i>Science</i> , <b>2008</b> , 322, 1539-43	3.3	450
55	Carcinoembryonic antigen-related cell adhesion molecule 1: a link between insulin and lipid metabolism. <i>Diabetes</i> , <b>2008</b> , 57, 2296-303	0.9	74
54	The sympathetic tone mediates leptin's inhibition of insulin secretion by modulating osteocalcin bioactivity. <i>Journal of Cell Biology</i> , <b>2008</b> , 183, 1235-42	7.3	207
53	Comparison between surrogate indexes of insulin sensitivity and resistance and hyperinsulinemic euglycemic clamp estimates in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 294, E261-70	6	122
52	Endocrine regulation of energy metabolism by the skeleton. <i>Cell</i> , <b>2007</b> , 130, 456-69	56.2	1794
51	Loss of the Par-1b/MARK2 polarity kinase leads to increased metabolic rate, decreased adiposity, and insulin hypersensitivity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 5680-5	11.5	60



50	Hyperglycemia, maturity-onset obesity, and insulin resistance in NONcNZO10/LtJ males, a new mouse model of type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E327-36	6	42
49	The proinflammatory cytokine macrophage migration inhibitory factor regulates glucose metabolism during systemic inflammation. <i>Journal of Immunology</i> , <b>2007</b> , 179, 5399-406	5.3	94
48	Nonobese, insulin-deficient Ins2Akita mice develop type 2 diabetes phenotypes including insulin resistance and cardiac remodeling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E1687-96	6	53
47	Improved glucose homeostasis in mice with muscle-specific deletion of protein-tyrosine phosphatase 1B. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 7727-34	4.8	133
46	Regulation of gluconeogenesis by Krüppel-like factor 15. <i>Cell Metabolism</i> , <b>2007</b> , 5, 305-12	24.6	180
45	Overexpression of uncoupling protein 3 in skeletal muscle protects against fat-induced insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 1995-2003	15.9	143
44	Effects of chronic Akt activation on glucose uptake in the heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 290, E789-97	6	48
43	Mechanism of glucose intolerance in mice with dominant negative mutation of CEACAM1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E517-24	6	41
42	Regulation of metabolic responses by adipocyte/macrophage Fatty Acid-binding proteins in leptin-deficient mice. <i>Diabetes</i> , <b>2006</b> , 55, 1915-22	0.9	75
41	Mice lacking MAP kinase phosphatase-1 have enhanced MAP kinase activity and resistance to diet-induced obesity. <i>Cell Metabolism</i> , <b>2006</b> , 4, 61-73	24.6	178
40	Fat uses a TOLL-road to connect inflammation and diabetes. <i>Cell Metabolism</i> , <b>2006</b> , 4, 417-9	24.6	83
39	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. <i>Nature Medicine</i> , <b>2006</b> , 12, 549-56	50.5	116
38	Role of Rho-kinase in regulation of insulin action and glucose homeostasis. <i>Cell Metabolism</i> , <b>2005</b> , 2, 119-29	24.6	129
37	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E30-9	6	70
36	Caveolin-3 knockout mice show increased adiposity and whole body insulin resistance, with ligand-induced insulin receptor instability in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 288, C1317-31	5.4	85
35	Cardiac-specific overexpression of peroxisome proliferator-activated receptor-alpha causes insulin resistance in heart and liver. <i>Diabetes</i> , <b>2005</b> , 54, 2514-24	0.9	107
34	Adipocyte-specific overexpression of FOXC2 prevents diet-induced increases in intramuscular fatty acyl CoA and insulin resistance. <i>Diabetes</i> , <b>2005</b> , 54, 1657-63	0.9	57
33	Unraveling the temporal pattern of diet-induced insulin resistance in individual organs and cardiac dysfunction in C57BL/6 mice. <i>Diabetes</i> , <b>2005</b> , 54, 3530-40	0.9	232

32	Syntaxin 4 transgenic mice exhibit enhanced insulin-mediated glucose uptake in skeletal muscle. <i>Diabetes</i> , <b>2004</b> , 53, 2223-31	0.9	43
31	Cardiac-specific knock-out of lipoprotein lipase alters plasma lipoprotein triglyceride metabolism and cardiac gene expression. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 25050-7	5.4	92
30	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. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 24844-51	5.4	128
29	Differential effects of interleukin-6 and -10 on skeletal muscle and liver insulin action in vivo. <i>Diabetes</i> , <b>2004</b> , 53, 1060-7	0.9	407
28	Nonacute effects of H-FABP deficiency on skeletal muscle glucose uptake in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2004</b> , 287, E977-82	6	19
27	Comparing adiposity profiles in three mouse models with altered GH signaling. <i>Growth Hormone and IGF Research</i> , <b>2004</b> , 14, 309-18	2	225
26	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 756-763	15.9	182
25	Hypertension and abnormal fat distribution but not insulin resistance in mice with P465L PPAR $\alpha$ . <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 240-249	15.9	117
24	PKC- $\delta$ knockout mice are protected from fat-induced insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 823-827	15.9	351
23	PKC- $\theta$ knockout mice are protected from fat-induced insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 823-7	15.9	181
22	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 756-63	15.9	78
21	Hypertension and abnormal fat distribution but not insulin resistance in mice with P465L PPAR $\gamma$ . <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 240-9	15.9	68
20	Genetic modulation of PPAR $\gamma$ phosphorylation regulates insulin sensitivity. <i>Developmental Cell</i> , <b>2003</b> , 5, 657-63	10.2	176
19	Differential effects of rosiglitazone on skeletal muscle and liver insulin resistance in A-ZIP/F-1 fatless mice. <i>Diabetes</i> , <b>2003</b> , 52, 1311-8	0.9	82
18	Insulin resistance in tetracycline-repressible Munc18c transgenic mice. <i>Diabetes</i> , <b>2003</b> , 52, 1910-7	0.9	36
17	Mechanism by which fatty acids inhibit insulin activation of insulin receptor substrate-1 (IRS-1)-associated phosphatidylinositol 3-kinase activity in muscle. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 50230-6	5.4	1114
16	Adrenalectomy improves diabetes in A-ZIP/F-1 lipotrophic mice by increasing both liver and muscle insulin sensitivity. <i>Diabetes</i> , <b>2002</b> , 51, 2113-8	0.9	35
15	Adipose-selective targeting of the GLUT4 gene impairs insulin action in muscle and liver. <i>Nature</i> , <b>2001</b> , 409, 729-33	50.4	923

14	Functional inactivation of the IGF-I and insulin receptors in skeletal muscle causes type 2 diabetes. <i>Genes and Development</i> , <b>2001</b> , 15, 1926-34	12.6	271
13	Insulin resistance and a diabetes mellitus-like syndrome in mice lacking the protein kinase Akt2 (PKB beta). <i>Science</i> , <b>2001</b> , 292, 1728-31	33.3	1513
12	Glucose toxicity and the development of diabetes in mice with muscle-specific inactivation of GLUT4. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 153-60	15.9	141
11	Insulin/IGF-1 and TNF-alpha stimulate phosphorylation of IRS-1 at inhibitory Ser307 via distinct pathways. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 107, 181-9	15.9	439
10	Prevention of fat-induced insulin resistance by salicylate. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 437-46	15.9	519
9	Syntaxin 4 heterozygous knockout mice develop muscle insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 107, 1311-8	15.9	83
8	Surgical implantation of adipose tissue reverses diabetes in lipoatrophic mice. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 105, 271-8	15.9	473
7	Mechanism of insulin resistance in A-ZIP/F-1 fatless mice. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 8456-60	15.9	327
6	Increased energy expenditure, decreased adiposity, and tissue-specific insulin sensitivity in protein-tyrosine phosphatase 1B-deficient mice. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 5479-89	4.8	1073
5	Redistribution of substrates to adipose tissue promotes obesity in mice with selective insulin resistance in muscle. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 105, 1791-7	15.9	243
4	Acute effect of growth hormone to induce peripheral insulin resistance is independent of FFA and insulin levels in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1999</b> , 277, E742-9	6	6
3	Reduced glucose clearance as the major determinant of postabsorptive hyperglycemia in diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1998</b> , 274, E257-64	6	3
2	The development of insulin resistance with high fat feeding in rats does not involve either decreased insulin receptor tyrosine kinase activity or membrane glycoprotein PC-1. <i>Biochemical and Molecular Medicine</i> , <b>1996</b> , 59, 174-81		6
1	Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance		3