David H Wasserman

List of Publications by Year
in descending order

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Version: 2024-02-01

185 papers	13,183 citations	30551 56 h-index	28425 109 g-index
217 all docs	217 docs citations	217 times ranked	20159 citing authors

#	Article	IF	Citations
1	Insulin, Muscle Glucose Uptake, and Hexokinase: Revisiting the Road Not Taken. Physiology, 2022, 37, 115-127.	1.6	14
2	Capillary Endothelial Insulin Transport: The Rate-limiting Step for Insulin-stimulated Glucose Uptake. Endocrinology, 2022, 163, .	1.4	4
3	Peeling back the layers of the glucose clamp. Nature Metabolism, 2022, 4, 496-498.	5.1	2
4	Cyclooxygenase-2 in adipose tissue macrophages limits adipose tissue dysfunction in obese mice. Journal of Clinical Investigation, 2022, 132, .	3.9	17
5	Exercise and Adipose Tissue Immunity: Outrunning Inflammation. Obesity, 2021, 29, 790-801.	1.5	18
6	Multitissue 2H/13C flux analysis reveals reciprocal upregulation of renal gluconeogenesis in hepatic PEPCK-Câ€“knockout mice. JCI Insight, 2021, 6, .	2.3	18
7	Adipocyte integrin-linked kinase plays a key role in the development of diet-induced adipose insulin resistance in male mice. Molecular Metabolism, 2021, 49, 101197.	3.0	14
8	EET Analog Treatment Improves Insulin Signaling in a Genetic Mouse Model of Insulin Resistance. Diabetes, 2021, , db210298.	0.3	3
9	Transendothelial Insulin Transport is Impaired in Skeletal Muscle Capillaries of Obese Male Mice. Obesity, 2020, 28, 303-314.	1.5	11
10	Disruption of Acetyl-Lysine Turnover in Muscle Mitochondria Promotes Insulin Resistance and Redox Stress without Overt Respiratory Dysfunction. Cell Metabolism, 2020, 31, 131-147.e11.	7.2	41
11	Whole Body Irradiation Induces Diabetes and Adipose Insulin Resistance in Nonhuman Primates. International Journal of Radiation Oncology Biology Physics, 2020, 106, 878-886.	0.4	18
12	Collagen 24 Î±1 Is Increased in Insulin-Resistant Skeletal Muscle and Adipose Tissue. International Journal of Molecular Sciences, 2020, 21, 5738.	1.8	9
13	Reciprocity Between Skeletal Muscle AMPK Deletion and Insulin Action in Diet-Induced Obese Mice. Diabetes, 2020, 69, 1636-1649.	0.3	11
14	Reply to Letter to the Editor: Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E313-E317.	1.8	3
15	Influence of the integrin alpha-1 subunit and its relationship with high-fat diet upon extracellular matrix synthesis in skeletal muscle and tendon. Cell and Tissue Research, 2020, 381, 177-187.	1.5	4
16	American Heart Association Vascular Disease Strategically Focused Research Network. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e47-e54.	1.1	0
17	Microvascular Disease, Peripheral Artery Disease, and Amputation. Circulation, 2019, 140, 449-458.	1.6	114
18	Fibrotic Encapsulation Is the Dominant Source of Continuous Glucose Monitor Delays. Diabetes, 2019, 68, 1892-1901.	0.3	12

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19	CD44 contributes to hyaluronan-mediated insulin resistance in skeletal muscle of high-fat-fed C57BL/6 mice. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E973-E983.	1.8	22
20	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1022-E1036.	1.8	18
21	Dysregulated transmethylation leading to hepatocellular carcinoma compromises redox homeostasis and glucose formation. Molecular Metabolism, 2019, 23, 1-13.	3.0	8
22	Energy metabolism couples hepatocyte integrin-linked kinase to liver glucoregulation and postabsorptive responses of mice in an age-dependent manner. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E1118-E1135.	1.8	12
23	Rapid changes in the microvascular circulation of skeletal muscle impair insulin delivery during sepsis. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E1012-E1023.	1.8	7
24	Rapid changes in the microvascular circulation of skeletal muscle impair insulin delivery during sepsis. FASEB Journal, 2019, 33, 685.4.	0.2	0
25	Reduced Nonexercise Activity Attenuates Negative Energy Balance in Mice Engaged in Voluntary Exercise. Diabetes, 2018, 67, 831-840.	0.3	13
26	The Vasculature in Prediabetes. Circulation Research, 2018, 122, 1135-1150.	2.0	91
27	Hepatocyte estrogen receptor alpha mediates estrogen action to promote reverse cholesterol transport during Western-type diet feeding. Molecular Metabolism, 2018, 8, 106-116.	3.0	49
28	SIRT2 knockout exacerbates insulin resistance in high fat-fed mice. PLoS ONE, 2018, 13, e0208634.	1.1	39
29	CETP Inhibition Improves HDL Function but Leads to Fatty Liver and Insulin Resistance in CETP-Expressing Transgenic Mice on a High-Fat Diet. Diabetes, 2018, 67, 2494-2506.	0.3	20
30	Glycine N-methyltransferase deletion in mice diverts carbon flux from gluconeogenesis to pathways that utilize excess methionine cycle intermediates. Journal of Biological Chemistry, 2018, 293, 11944-11954.	1.6	37
31	Acute Nitric Oxide Synthase Inhibition Accelerates Transendothelial Insulin Efflux In Vivo. Diabetes, 2018, 67, 1962-1975.	0.3	9
32	Metformin reduces liver glucose production by inhibition of fructose-1-6-bisphosphatase. Nature Medicine, 2018, 24, 1395-1406.	15.2	212
33	Automated quantification of microvascular perfusion. Microcirculation, 2018, 25, e12482.	1.0	8
34	Insulin exits skeletal muscle capillaries by fluid-phase transport. Journal of Clinical Investigation, 2018, 128, 699-714.	3.9	35
35	Quantitative capillary blood flow spatial analysis in skeletal muscle during sepsis. FASEB Journal, 2018, 32, .	0.2	0
36	Skeletal Muscle Parvin Regulates Exercise Tolerance and Glucose Homeostasis in Mice. FASEB Journal, 2018, 32, 853.4.	0.2	0

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37	Integrinâ€Linked Kinase is Necessary for Normal Hepatic Glycogen Storage and Energy Metabolism. FASEB Journal, 2018, 32, .	0.2	0
38	SIRT2 is required for in vivo tissueâ€specific and whole body insulin action in mice. FASEB Journal, 2018, 32, 864.6.	0.2	0
39	Automated Quantitation of Microvascular Perfusion Parameters Using Fluorescence Videomicroscopy and Computational Image Processing. FASEB Journal, 2018, 32, 577.3.	0.2	0
40	Acute nitric oxide synthase inhibition enhances transâ€endothelial insulin efflux and muscle insulin sensitivity in vivo. FASEB Journal, 2018, 32, 846.3.	0.2	0
41	Obese Mice Are Protected From Increased Energy Intake in Response to Voluntary Wheel Running. FASEB Journal, 2018, 32, 853.22.	0.2	0
42	Integrin-Linked Kinase Is Necessary for the Development of Diet-Induced Hepatic Insulin Resistance. Diabetes, 2017, 66, 325-334.	0.3	35
43	Cytochrome P450 epoxygenase-derived epoxyeicosatrienoic acids contribute to insulin sensitivity in mice and in humans. Diabetologia, 2017, 60, 1066-1075.	2.9	35
44	Loss of hepatic AMP-activated protein kinase impedes the rate of glycogenolysis but not gluconeogenic fluxes in exercising mice. Journal of Biological Chemistry, 2017, 292, 20125-20140.	1.6	46
45	The liver. Current Biology, 2017, 27, R1147-R1151.	1.8	708
46	Meta-fibrosis links positive energy balance and mitochondrial metabolism to insulin resistance. F1000Research, 2017, 6, 1758.	0.8	8
47	Liver AMP-Activated Protein Kinase Is Unnecessary for Gluconeogenesis but Protects Energy State during Nutrient Deprivation. PLoS ONE, 2017, 12, e0170382.	1.1	20
48	Enhanced Glucose Transport, but not Phosphorylation Capacity, Ameliorates Lipopolysaccharide-Induced Impairments in Insulin-Stimulated Muscle Glucose Uptake. Shock, 2016, 45, 677-685.	1.0	10
49	Integrin-Linked Kinase in Muscle Is Necessary for the Development of Insulin Resistance in Diet-Induced Obese Mice. Diabetes, 2016, 65, 1590-1600.	0.3	32
50	Central injection of fibroblast growth factor 1 induces sustained remission of diabetic hyperglycemia in rodents. Nature Medicine, 2016, 22, 800-806.	15.2	119
51	VEGFB/VEGFR1-Induced Expansion of Adipose Vasculature Counteracts Obesity and Related Metabolic Complications. Cell Metabolism, 2016, 23, 712-724.	7.2	180
52	Chronic Angiotensin-(1â€“7) Improves Insulin Sensitivity in High-Fat Fed Mice Independent of Blood Pressure. Hypertension, 2016, 67, 983-991.	1.3	30
53	Mass spectrometry-based microassay of²H and¹³C plasma glucose labeling to quantify liver metabolic fluxes in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E191-E203.	1.8	75
54	Exercise and the Regulation of Hepatic Metabolism. Progress in Molecular Biology and Translational Science, 2015, 135, 203-225.	0.9	127

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55	Bile diversion to the distal small intestine has comparable metabolic benefits to bariatric surgery. Nature Communications, 2015, 6, 7715.	5.8	156
56	The extracellular matrix and insulin resistance. Trends in Endocrinology and Metabolism, 2015, 26, 357-366.	3.1	157
57	Integrin Î±1-null Mice Exhibit Improved Fatty Liver When Fed a High Fat Diet Despite Severe Hepatic Insulin Resistance. Journal of Biological Chemistry, 2015, 290, 6546-6557.	1.6	38
58	FoxO1 integrates direct and indirect effects of insulin on hepatic glucose production and glucose utilization. Nature Communications, 2015, 6, 7079.	5.8	172
59	SIRT3 Is Crucial for Maintaining Skeletal Muscle Insulin Action and Protects Against Severe Insulin Resistance in High-Fatâ€“Fed Mice. Diabetes, 2015, 64, 3081-3092.	0.3	119
60	Enhanced Mitochondrial Superoxide Scavenging Does Not Improve Muscle Insulin Action in the High Fat-Fed Mouse. PLoS ONE, 2015, 10, e0126732.	1.1	20
61	CETP Expression Protects Female Mice from Obesity-Induced Decline in Exercise Capacity. PLoS ONE, 2015, 10, e0136915.	1.1	5
62	Diminishing impairments in glucose uptake, mitochondrial content, and ADP-stimulated oxygen flux by mesenchymal stem cell therapy in the infarcted heart. American Journal of Physiology - Cell Physiology, 2014, 306, C19-C27.	2.1	12
63	Approach to assessing determinants of glucose homeostasis in the conscious mouse. Mammalian Genome, 2014, 25, 522-538.	1.0	38
64	Matrix metalloproteinase 9 opposes diet-induced muscle insulin resistance in mice. Diabetologia, 2014, 57, 603-613.	2.9	36
65	5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside (AICAR) Effect on Glucose Production, but Not Energy Metabolism, Is Independent of Hepatic AMPK in Vivo. Journal of Biological Chemistry, 2014, 289, 5950-5959.	1.6	60
66	Striatal Dopamine Homeostasis is Altered in Mice Following Roux-en-Y Gastric Bypass Surgery. ACS Chemical Neuroscience, 2014, 5, 943-951.	1.7	18
67	Heterozygous SOD2 Deletion Impairs Glucose-Stimulated Insulin Secretion, but Not Insulin Action, in High-Fatâ€“Fed Mice. Diabetes, 2014, 63, 3699-3710.	0.3	46
68	AMP-activated protein kinase (AMPK)Î±2 plays a role in determining the cellular fate of glucose in insulin-resistant mouse skeletal muscle. Diabetologia, 2013, 56, 608-617.	2.9	18
69	Hyperoxia Synergizes with Mutant Bone Morphogenic Protein Receptor 2 to Cause Metabolic Stress, Oxidant Injury, and Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 778-787.	1.4	38
70	Mesenchymal stem cell transplantation for the infarcted heart: therapeutic potential for insulin resistance beyond the heart. Cardiovascular Diabetology, 2013, 12, 128.	2.7	16
71	Relaxin Treatment Reverses Insulin Resistance in Mice Fed a High-Fat Diet. Diabetes, 2013, 62, 3251-3260.	0.3	52
72	Circadian Disruption Leads to Insulin Resistance and Obesity. Current Biology, 2013, 23, 372-381.	1.8	364

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73	Devoured by our own children: the possibility and peril of moral status enhancement. Journal of Medical Ethics, 2013, 39, 78-79.	1.0	4
74	AS160 deficiency causes whole-body insulin resistance via composite effects in multiple tissues. Biochemical Journal, 2013, 449, 479-489.	1.7	71
75	Emerging role of AMP-activated protein kinase in endocrine control of metabolism in the liver. Molecular and Cellular Endocrinology, 2013, 366, 152-162.	1.6	71
76	Hyaluronan Accumulates With High-Fat Feeding and Contributes to Insulin Resistance. Diabetes, 2013, 62, 1888-1896.	0.3	100
77	Muscle-Specific Vascular Endothelial Growth Factor Deletion Induces Muscle Capillary Rarefaction Creating Muscle Insulin Resistance. Diabetes, 2013, 62, 572-580.	0.3	82
78	Glucose-6-Phosphateâ€“Mediated Activation of Liver Glycogen Synthase Plays a Key Role in Hepatic Glycogen Synthesis. Diabetes, 2013, 62, 4070-4082.	0.3	78
79	FGF19 action in the brain induces insulin-independent glucose lowering. Journal of Clinical Investigation, 2013, 123, 4799-4808.	3.9	183
80	Mesenchymal stem cell transplantation for the infarcted heart: a role in minimizing abnormalities in cardiac-specific energy metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E163-E172.	1.8	16
81	Activation of invariant natural killer T cells by lipid excess promotes tissue inflammation, insulin resistance, and hepatic steatosis in obese mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1143-52.	3.3	160
82	Toll-like Receptor 4 Deficiency Promotes the Alternative Activation of Adipose Tissue Macrophages. Diabetes, 2012, 61, 2718-2727.	0.3	148
83	Regulation of glucose kinetics during exercise by the glucagonâ€like peptideâ€1 receptor. Journal of Physiology, 2012, 590, 5245-5255.	1.3	4
84	Overproduction of Angiotensinogen from Adipose Tissue Induces Adipose Inflammation, Glucose Intolerance, and Insulin Resistance. Obesity, 2012, 20, 48-56.	1.5	94
85	NIH Mouse Metabolic Phenotyping Centers: the power of centralized phenotyping. Mammalian Genome, 2012, 23, 623-631.	1.0	11
86	Mitochondrial antioxidative capacity regulates muscle glucose uptake in the conscious mouse: effect of exercise and diet. Journal of Applied Physiology, 2012, 113, 1173-1183.	1.2	9
87	Increased oxygen consumption and OXPHOS potential in superhealer mesenchymal stem cells. Cell Regeneration, 2012, 1, 1:3.	1.1	2
88	Amino acids as metabolic substrates during cardiac ischemia. Experimental Biology and Medicine, 2012, 237, 1369-1378.	1.1	107
89	Disassociation of Muscle Insulin Signaling and Insulin-Stimulated Glucose Uptake during Endotoxemia. PLoS ONE, 2012, 7, e30160.	1.1	26
90	Transgenic Mice Overexpressing Renin Exhibit Glucose Intolerance and Diet-Genotype Interactions. Frontiers in Endocrinology, 2012, 3, 166.	1.5	10

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91	Mouse Models of Bariatric Surgery. , 2012, 2012, 295.		13
92	Regulation of Endogenous Glucose Production in Glucose Transporter 4 Over-Expressing Mice. PLoS ONE, 2012, 7, e52355.	1.1	5
93	Elevated oxygen utilization and superior energetic reserve in superhealer mesenchymal stem cells. FASEB Journal, 2012, 26, 887.7.	0.2	0
94	Hyperinsulinemic-euglycemic Clamps in Conscious, Unrestrained Mice. Journal of Visualized Experiments, 2011, , .	0.2	94
95	Mice with AS160/TBC1D4-Thr649Ala Knockin Mutation Are Glucose Intolerant with Reduced Insulin Sensitivity and Altered GLUT4 Trafficking. Cell Metabolism, 2011, 13, 68-79.	7.2	147
96	The physiological regulation of glucose flux into musclein vivo. Journal of Experimental Biology, 2011, 214, 254-262.	0.8	128
97	Assessment of Different Bariatric Surgeries in the Treatment of Obesity and Insulin Resistance in Mice. Annals of Surgery, 2011, 254, 73-82.	2.1	53
98	Role of TAPP1 and TAPP2 adaptor binding to PtdIns(3,4)P2 in regulating insulin sensitivity defined by knock-in analysis. Biochemical Journal, 2011, 434, 265-274.	1.7	45
99	Obesity impairs skeletal muscle AMPK signaling during exercise: role of AMPKÎ±2 in the regulation of exercise capacity in vivo. International Journal of Obesity, 2011, 35, 982-989.	1.6	35
100	Aldosterone decreases glucose-stimulated insulin secretion in vivo in mice and in murine islets. Diabetologia, 2011, 54, 2152-2163.	2.9	88
101	Hepatic Glucagon Action Is Essential for Exercise-Induced Reversal of Mouse Fatty Liver. Diabetes, 2011, 60, 2720-2729.	0.3	37
102	Diet-Induced Muscle Insulin Resistance Is Associated With Extracellular Matrix Remodeling and Interaction With Integrin Î±2Î²1 in Mice. Diabetes, 2011, 60, 416-426.	0.3	132
103	Circadian Clock Gene Bmal1 Is Not Essential; Functional Replacement with its Paralog, Bmal2. Current Biology, 2010, 20, 316-321.	1.8	116
104	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
105	Glucagon-Like Peptide-1 Receptor Knockout Mice Are Protected from High-Fat Diet-Induced Insulin Resistance. Endocrinology, 2010, 151, 4678-4687.	1.4	67
106	Role of the Endocrine Pancreas in Glucose Homeostasis During Exercise. Canadian Journal of Diabetes, 2010, 34, 188-190.	0.4	0
107	Glucagon and lipid interactions in the regulation of hepatic AMPK signaling and expression of PPARÎ± and FGF21 transcripts in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E607-E614.	1.8	90
108	Endothelial nitric oxide synthase is central to skeletal muscle metabolic regulation and enzymatic signaling during exercise in vivo. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1399-R1408.	0.9	64

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109	Lost in Translation. Diabetes, 2009, 58, 1947-1950.	0.3	10
110	Skeletal Muscle AMP-activated Protein Kinase Is Essential for the Metabolic Response to Exercise in Vivo. Journal of Biological Chemistry, 2009, 284, 23925-23934.	1.6	124
111	Four grams of glucose. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E11-E21.	1.8	291
112	The Glucagon-Like Peptide-1 Receptor Regulates Endogenous Glucose Production and Muscle Glucose Uptake Independent of Its Incretin Action. Endocrinology, 2009, 150, 1155-1164.	1.4	99
113	Fibroblast Growth Factor 21 Controls Glycemia via Regulation of Hepatic Glucose Flux and Insulin Sensitivity. Endocrinology, 2009, 150, 4084-4093.	1.4	254
114	NIH experiment in centralized mouse phenotyping: the Vanderbilt experience and recommendations for evaluating glucose homeostasis in the mouse. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E849-E855.	1.8	160
115	An Unjustified Exception to an Unjust Law?. American Journal of Bioethics, 2009, 9, 63-65.	0.5	1
116	Impact of macrophage toll-like receptor 4 deficiency on macrophage infiltration into adipose tissue and the artery wall in mice. Diabetologia, 2009, 52, 318-328.	2.9	81
117	Mitochondrial H2O2 emission and cellular redox state link excess fat intake to insulin resistance in both rodents and humans. Journal of Clinical Investigation, 2009, 119, 573-581.	3.9	1,051
118	Hepatic energy state is regulated by glucagon receptor signaling in mice. Journal of Clinical Investigation, 2009, 119, 2412-2422.	3.9	91
119	Oxidative stress limits exerciseâ€•and insulinâ€stimulated muscle glucose uptake (MGU) in conscious, chowâ€fed C57BL/6J mice. FASEB Journal, 2009, 23, 990.32.	0.2	0
120	Long Chain Fatty Acid Uptake In Vivo: Comparison of [¹²⁵I]â€BMIPP and [³H]â€Bromopalmitate. Lipids, 2008, 43, 703-11.	0.7	11
121	Metabolomic profiling of dietaryâ€•induced insulin resistance in the high fatâ€“fed C57BL/6J mouse. Diabetes, Obesity and Metabolism, 2008, 10, 950-958.	2.2	111
122	Metabolic implications of reduced heart-type fatty acid binding protein in insulin resistant cardiac muscle. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 586-592.	1.8	13
123	Markers of glycemic control in the mouse: comparisons of 6-h- and overnight-fasted blood glucoses to Hb A_{1c}. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E981-E986.	1.8	63
124	Insulin Action in the Double Incretin Receptor Knockout Mouse. Diabetes, 2008, 57, 288-297.	0.3	31
125	Glucose Metabolism In Vivo in Four Commonly Used Inbred Mouse Strains. Diabetes, 2008, 57, 1790-1799.	0.3	225
126	Activation of glucagon receptor signaling stimulates regulators of hepatic fat oxidation in vivo. FASEB Journal, 2008, 22, 948.16.	0.2	0

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127	FVB/N mice are hypersensitive to moderate insulinâ€induced hypoglycemia while 129X1 mice are completely insensitive. FASEB Journal, 2008, 22, 949.8.	0.2	0
128	Phosphorylation Barriers to Skeletal and Cardiac Muscle Glucose Uptakes in High-Fat Fed Mice: Studies in Mice With a 50% Reduction of Hexokinase II. Diabetes, 2007, 56, 2476-2484.	0.3	47
129	Chronic Treatment With Sildenafil Improves Energy Balance and Insulin Action in High Fat-Fed Conscious Mice. Diabetes, 2007, 56, 1025-1033.	0.3	208
130	Effects of chronic coffee consumption on glucose kinetics in the conscious rat. Canadian Journal of Physiology and Pharmacology, 2007, 85, 823-830.	0.7	41
131	Glucose kinetics and exercise tolerance in mice lacking the GLUT4 glucose transporter. Journal of Physiology, 2007, 582, 801-812.	1.3	53
132	Glycogen Synthase Kinase 3 Inhibition Improves Insulin Stimulated Glucose Metabolismin High Fat Fed C57/BL6J Mice. FASEB Journal, 2007, 21, A832.	0.2	0
133	Determinants of glucose tolerance in inbred mouse strains. FASEB Journal, 2007, 21, A829.	0.2	0
134	Physical Activity/Exercise and Type 2 Diabetes: A consensus statement from the American Diabetes Association. Diabetes Care, 2006, 29, 1433-1438.	4.3	800
135	Point-Counterpoint: Glucose phosphorylation is/is not a significant barrier to muscle glucose uptake by the working muscle. Journal of Applied Physiology, 2006, 101, 1803-1805.	1.2	3
136	Insulin secretion in the conscious mouse is biphasic and pulsatile. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E523-E529.	1.8	67
137	Energy state of the liver during short-term and exhaustive exercise in C57BL/6J mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E405-E408.	1.8	58
138	Considerations in the Design of Hyperinsulinemic-Euglycemic Clamps in the Conscious Mouse. Diabetes, 2006, 55, 390-397.	0.3	345
139	INTERACTION OF PHYSIOLOGICAL MECHANISMS IN CONTROL OF MUSCLE GLUCOSE UPTAKE. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 319-323.	0.9	39
140	Control of muscle glucose uptake: test of the rate-limiting step paradigm in conscious, unrestrained mice. Journal of Physiology, 2005, 562, 925-935.	1.3	54
141	Hexokinase II protein content is a determinant of exercise endurance capacity in the mouse. Journal of Physiology, 2005, 566, 533-541.	1.3	49
142	5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside renders glucose output by the liver of the dog insensitive to a pharmacological increment in insulin. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E1039-E1043.	1.8	11
143	Individual Mice Can Be Distinguished by the Period of Their Islet Calcium Oscillations: Is There an Intrinsic Islet Period That Is Imprinted In Vivo?. Diabetes, 2005, 54, 3517-3522.	0.3	89
144	5-Aminoimidazole-4-Carboxamide-1-Â-D-Ribofuranoside Causes Acute Hepatic Insulin Resistance In Vivo. Diabetes, 2005, 54, 355-360.	0.3	34

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145	Portal Venous 5-Aminoimidazole-4-Carboxamide-1-Â-D-Ribofuranoside Infusion Overcomes Hyperinsulinemic Suppression of Endogenous Glucose Output. Diabetes, 2005, 54, 373-382.	0.3	32
146	Glucoregulation during and after exercise in health and insulin-dependent diabetes. Exercise and Sport Sciences Reviews, 2005, 33, 17-23.	1.6	69
147	Distributed control of glucose uptake by working muscles of conscious mice: roles of transport and phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E77-E84.	1.8	55
148	Regulation of Insulin-Stimulated Muscle Glucose Uptake in the Conscious Mouse: Role of Glucose Transport Is Dependent on Glucose Phosphorylation Capacity. Endocrinology, 2004, 145, 4912-4916.	1.4	31
149	AMP Kinase-Induced Skeletal Muscle Glucose But Not Long-Chain Fatty Acid Uptake Is Dependent on Nitric Oxide. Diabetes, 2004, 53, 1429-1435.	0.3	41
150	Exercise-Induced Changes in Insulin and Glucagon Are Not Required for Enhanced Hepatic Glucose Uptake After Exercise but Influence the Fate of Glucose Within the Liver. Diabetes, 2004, 53, 3041-3047.	0.3	17
151	Hexokinase II Overexpression Improves Exercise-Stimulated But Not Insulin-Stimulated Muscle Glucose Uptake in High-Fat-Fed C57BL/6J Mice. Diabetes, 2004, 53, 306-314.	0.3	70
152	Control of Exercise-stimulated Muscle Glucose Uptake by GLUT4 Is Dependent on Glucose Phosphorylation Capacity in the Conscious Mouse. Journal of Biological Chemistry, 2004, 279, 50956-50961.	1.6	55
153	Physical Activity/Exercise and Type 2 Diabetes. Diabetes Care, 2004, 27, 2518-2539.	4.3	617
154	Interaction of Insulin and Prior Exercise in Control of Hepatic Metabolism of a Glucose Load. Diabetes, 2003, 52, 1897-1903.	0.3	28
155	Hexokinase II partial knockout impairs exercise-stimulated glucose uptake in oxidative muscles of mice. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E958-E963.	1.8	57
156	Fiber type-specific determinants of V maxfor insulin-stimulated muscle glucose uptake in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E541-E548.	1.8	32
157	Prior exercise enhances passive absorption of intraduodenal glucose. Journal of Applied Physiology, 2003, 95, 1132-1138.	1.2	18
158	Prior exercise and the response to insulin-induced hypoglycemia in the dog. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E1128-E1138.	1.8	19
159	Prevention of Overt Hypoglycemia During Exercise: Stimulation of Endogenous Glucose Production Independent of Hepatic Catecholamine Action and Changes in Pancreatic Hormone Concentration. Diabetes, 2002, 51, 1310-1318.	0.3	17
160	Contrasting effects of exercise and NOS inhibition on tissue-specific fatty acid and glucose uptake in mice. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E116-E123.	1.8	51
161	Functional limitations to glucose uptake in muscles comprised of different fiber types. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E994-E999.	1.8	41
162	Role of carotid bodies in control of the neuroendocrine response to exercise. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E742-E748.	1.8	44

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163	Glucagon response to exercise is critical for accelerated hepatic glutamine metabolism and nitrogen disposal. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E638-E645.	1.8	19
164	Limitations to basal and insulin-stimulated skeletal muscle glucose uptake in the high-fat-fed rat. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1064-E1071.	1.8	49
165	Hepatic Î±- and Î²-adrenergic receptors are not essential for the increase in R_aduring exercise in diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E444-E451.	1.8	8
166	Effects of Gender on Neuroendocrine and Metabolic Counterregulatory Responses to Exercise in Normal Man¹. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 224-230.	1.8	126
167	Zonation of acetate labeling across the liver: implications for studies of lipogenesis by MIDA. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E1022-E1027.	1.8	27
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