

Jürgen Wojtaszewski

List of Publications by Year in descending order

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172
papers

12,422
citations

25034

57
h-index

27406

106
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184
all docs

184
docs citations

184
times ranked

11544
citing authors

#	ARTICLE	IF	CITATIONS
1	Salbutamol Increases Leg Glucose Uptake and Metabolic Rate but not Muscle Glycogen Resynthesis in Recovery From Exercise. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e1193-e1203.	3.6	3
2	Skeletal muscle adaptations to exercise are not influenced by metformin treatment in humans: secondary analyses of 2 randomized, clinical trials. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 309-320.	1.9	8
3	GDF15 in Appetite and Exercise: Essential Player or Coincidental Bystander?. <i>Endocrinology</i> , 2022, 163, .	2.8	26
4	Personalized phosphoproteomics identifies functional signaling. <i>Nature Biotechnology</i> , 2022, 40, 576-584.	17.5	44
5	Factors mediating exercise-induced organ crosstalk. <i>Acta Physiologica</i> , 2022, 234, e13766.	3.8	30
6	Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells. <i>Nature Communications</i> , 2022, 13, 22.	12.8	15
7	Exercise increases phosphorylation of the putative mTORC2 activity readout NDRG1 in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E63-E73.	3.5	4
8	Comment on De Wendt et al. Contraction-Mediated Glucose Transport in Skeletal Muscle Is Regulated by a Framework of AMPK, TBC1D1/4, and Rac1. <i>Diabetes</i> 2021;70:2796-2809. <i>Diabetes</i> , 2022, 71, e3-e4.	0.6	1
9	Illumination of the Endogenous Insulin-Regulated TBC1D4 Interactome in Human Skeletal Muscle. <i>Diabetes</i> , 2022, 71, 906-920.	0.6	3
10	Ameliorating Effects of Lifelong Physical Activity on Healthy Aging and Mitochondrial Function in Human White Adipose Tissue. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1101-1111.	3.6	11
11	Is GLUT4 translocation the answer to exercise-stimulated muscle glucose uptake?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E240-E243.	3.5	30
12	Small Amounts of Dietary Medium-Chain Fatty Acids Protect Against Insulin Resistance During Caloric Excess in Humans. <i>Diabetes</i> , 2021, 70, 91-98.	0.6	18
13	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , 2021, 12, 1041.	12.8	69
14	Physical activity attenuates postprandial hyperglycaemia in homozygous TBC1D4 loss-of-function mutation carriers. <i>Diabetologia</i> , 2021, 64, 1795-1804.	6.3	6
15	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. <i>Cell Metabolism</i> , 2021, 33, 758-780.	16.2	124
16	Post-exercise recovery for the endurance athlete with type 1 diabetes: a consensus statement. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 304-317.	11.4	18
17	Measurement of Insulin- and Contraction-Stimulated Glucose Uptake in Isolated and Incubated Mature Skeletal Muscle from Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	7
18	AXIN1 knockout does not alter AMPK/mTORC1 regulation and glucose metabolism in mouse skeletal muscle. <i>Journal of Physiology</i> , 2021, 599, 3081-3100.	2.9	6

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19	Effect of exercise training on skeletal muscle protein expression in relation to insulin sensitivity: Perâ€protocol analysis of a randomized controlled trial (GOâ€ACTIVE). <i>Physiological Reports</i> , 2021, 9, e14850.	1.7	2
20	Interactions between insulin and exercise. <i>Biochemical Journal</i> , 2021, 478, 3827-3846.	3.7	31
21	Functional sympatholysis in mouse skeletal muscle involves sarcoplasmic reticulum swelling in arterial smooth muscle cells. <i>Physiological Reports</i> , 2021, 9, e15133.	1.7	1
22	Epigenome- and Transcriptome-wide Changes in Muscle Stem Cells from Low Birth Weight Men. <i>Endocrine Research</i> , 2020, 45, 58-71.	1.2	7
23	Growth Factor-Dependent and -Independent Activation of mTORC2. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 13-24.	7.1	31
24	Insulinâ€induced membrane permeability to glucose in human muscles at rest and following exercise. <i>Journal of Physiology</i> , 2020, 598, 303-315.	2.9	35
25	Glucometabolic consequences of acute and prolonged inhibition of fatty acid oxidation. <i>Journal of Lipid Research</i> , 2020, 61, 10-19.	4.2	23
26	Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome. <i>Diabetes</i> , 2020, 69, 2267-2280.	0.6	13
27	The insulinâ€sensitizing effect of a single exercise bout is similar in type I and type II human muscle fibres. <i>Journal of Physiology</i> , 2020, 598, 5687-5699.	2.9	13
28	Thyroid hormone receptor β in skeletal muscle is essential for T3â€mediated increase in energy expenditure. <i>FASEB Journal</i> , 2020, 34, 15480-15491.	0.5	25
29	Insulinâ€stimulated glucose uptake partly relies on p21â€activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. <i>Journal of Physiology</i> , 2020, 598, 5351-5377.	2.9	15
30	Blinded by the reference protein?. <i>Journal of Applied Physiology</i> , 2020, 128, 1462-1463.	2.5	2
31	Inducible deletion of skeletal muscle AMPK β reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. <i>Molecular Metabolism</i> , 2020, 40, 101028.	6.5	32
32	Colchicine treatment impairs skeletal muscle mitochondrial function and insulin sensitivity in an ageâ€specific manner. <i>FASEB Journal</i> , 2020, 34, 8653-8670.	0.5	13
33	Effects of High-Intensity Exercise Training on Adipose Tissue Mass, Glucose Uptake and Protein Content in Pre- and Post-menopausal Women. <i>Frontiers in Sports and Active Living</i> , 2020, 2, 60.	1.8	7
34	Quantification of exerciseâ€regulated ubiquitin signaling in human skeletal muscle identifies protein modification cross talk via NEDDylation. <i>FASEB Journal</i> , 2020, 34, 5906-5916.	0.5	23
35	Housing temperature influences exercise training adaptations in mice. <i>Nature Communications</i> , 2020, 11, 1560.	12.8	52
36	Pharmacological targeting of $\alpha 3\beta 4$ nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , 2020, 63, 1236-1247.	6.3	9

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37	Coingestion of protein and carbohydrate in the early recovery phase, compared with carbohydrate only, improves endurance performance despite similar glycogen degradation and AMPK phosphorylation. <i>Journal of Applied Physiology</i> , 2020, 129, 297-310.	2.5	18
38	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E311-E312.	3.5	4
39	Circulating Follistatin and Activin A and Their Regulation by Insulin in Obesity and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1343-1354.	3.6	23
40	A Single Bout of One-Legged Exercise to Local Exhaustion Decreases Insulin Action in Nonexercised Muscle Leading to Decreased Whole-Body Insulin Action. <i>Diabetes</i> , 2020, 69, 578-590.	0.6	21
41	Prior exercise in humans redistributes intramuscular GLUT4 and enhances insulin-stimulated sarcolemmal and endosomal GLUT4 translocation. <i>Molecular Metabolism</i> , 2020, 39, 100998.	6.5	29
42	The p21-activated kinase 2 (PAK2), but not PAK1, regulates contraction-stimulated skeletal muscle glucose transport. <i>Physiological Reports</i> , 2020, 8, e14460.	1.7	9
43	Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. <i>EMBO Journal</i> , 2019, 38, e102578.	7.8	54
44	Rapid radiochemical filter paper assay for determination of hexokinase activity and affinity for glucose-6-phosphate. <i>Journal of Applied Physiology</i> , 2019, 127, 661-667.	2.5	7
45	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. <i>Nature Communications</i> , 2019, 10, 4623.	12.8	128
46	Fatty acid type-specific regulation of SIRT1 does not affect insulin sensitivity in human skeletal muscle. <i>FASEB Journal</i> , 2019, 33, 5510-5519.	0.5	4
47	Current advances in our understanding of exercise as medicine in metabolic disease. <i>Current Opinion in Physiology</i> , 2019, 12, 12-19.	1.8	41
48	Exercise Induction of Key Transcriptional Regulators of Metabolic Adaptation in Muscle Is Preserved in Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4909-4920.	3.6	9
49	TBC1D4 Is Necessary for Enhancing Muscle Insulin Sensitivity in Response to AICAR and Contraction. <i>Diabetes</i> , 2019, 68, 1756-1766.	0.6	40
50	AMPK and TBC1D1 Regulate Muscle Glucose Uptake After, but Not During, Exercise and Contraction. <i>Diabetes</i> , 2019, 68, 1427-1440.	0.6	67
51	Molecular Mechanisms in Skeletal Muscle Underlying Insulin Resistance in Women Who Are Lean With Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1841-1854.	3.6	50
52	Effect of bariatric surgery on plasma GDF15 in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E615-E621.	3.5	25
53	Metformin does not compromise energy status in human skeletal muscle at rest or during acute exercise: A randomised, crossover trial. <i>Physiological Reports</i> , 2019, 7, e14307.	1.7	18
54	Effects of one-legged high-intensity interval training on insulin-mediated skeletal muscle glucose homeostasis in patients with type 2 diabetes. <i>Acta Physiologica</i> , 2019, 226, e13245.	3.8	40

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55	<i>2</i> -Agonist Induces Net Leg Glucose Uptake and Free Fatty Acid Release at Rest but Not During Exercise in Young Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 647-657.	3.6	12
56	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. <i>Diabetes</i> , 2019, 68, 502-514.	0.6	20
57	Exercise training reduces the insulin-sensitizing effect of a single bout of exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2019, 597, 89-103.	2.9	41
58	Identifying the Heterotrimeric Complex Stoichiometry of AMPK in Skeletal Muscle by Immunoprecipitation. <i>Methods in Molecular Biology</i> , 2018, 1732, 203-213.	0.9	1
59	Kinase Activity Determination of Specific AMPK Complexes/Heterotrimers in the Skeletal Muscle. <i>Methods in Molecular Biology</i> , 2018, 1732, 215-228.	0.9	6
60	Effects of menopause and high-intensity training on insulin sensitivity and muscle metabolism. <i>Menopause</i> , 2018, 25, 165-175.	2.0	21
61	Glucose metabolism and metabolic flexibility in cultured skeletal muscle cells is related to exercise status in young male subjects. <i>Archives of Physiology and Biochemistry</i> , 2018, 124, 119-130.	2.1	14
62	AMPK in skeletal muscle function and metabolism. <i>FASEB Journal</i> , 2018, 32, 1741-1777.	0.5	289
63	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. <i>Molecular Metabolism</i> , 2018, 16, 24-34.	6.5	58
64	Serum Is Not Necessary for Prior Pharmacological Activation of AMPK to Increase Insulin Sensitivity of Mouse Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1201.	4.1	5
65	Quantitative proteomic characterization of cellular pathways associated with altered insulin sensitivity in skeletal muscle following high-fat diet feeding and exercise training. <i>Scientific Reports</i> , 2018, 8, 10723.	3.3	44
66	Rac1 muscle knockout exacerbates the detrimental effect of high-fat diet on insulin-stimulated muscle glucose uptake independently of Akt. <i>Journal of Physiology</i> , 2018, 596, 2283-2299.	2.9	41
67	Intact regulation of muscle expression and circulating levels of myokines in response to exercise in patients with Type 2 diabetes. <i>Physiological Reports</i> , 2018, 6, e13723.	1.7	33
68	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. <i>Diabetes</i> , 2017, 66, 1548-1559.	0.6	48
69	Activation of Skeletal Muscle AMPK Promotes Glucose Disposal and Glucose Lowering in Non-human Primates and Mice. <i>Cell Metabolism</i> , 2017, 25, 1147-1159.e10.	16.2	205
70	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. <i>Journal of Physiology</i> , 2017, 595, 4845-4855.	2.9	43
71	Variable reliability of surrogate measures of insulin sensitivity after Roux-en-Y gastric bypass. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R797-R805.	1.8	15
72	Activation of AMP-activated protein kinase rapidly suppresses multiple pro-inflammatory pathways in adipocytes including IL-1 receptor-associated kinase-4 phosphorylation. <i>Molecular and Cellular Endocrinology</i> , 2017, 440, 44-56.	3.2	83

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73	Endothelial mechanotransduction proteins and vascular function are altered by dietary sucrose supplementation in healthy young male subjects. <i>Journal of Physiology</i> , 2017, 595, 5557-5571.	2.9	21
74	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , 2017, 66, 1501-1510.	0.6	120
75	Intact initiation of autophagy and mitochondrial fission by acute exercise in skeletal muscle of patients with Type 2 diabetes. <i>Clinical Science</i> , 2017, 131, 37-47.	4.3	34
76	Opposite Regulation of Insulin Sensitivity by Dietary Lipid Versus Carbohydrate Excess. <i>Diabetes</i> , 2017, 66, 2583-2595.	0.6	46
77	Exercise-stimulated glucose uptake – regulation and implications for glycaemic control. <i>Nature Reviews Endocrinology</i> , 2017, 13, 133-148.	9.6	312
78	Enhanced Muscle Insulin Sensitivity After Contraction/Exercise Is Mediated by AMPK. <i>Diabetes</i> , 2017, 66, 598-612.	0.6	137
79	Metabolic and Transcriptional Changes in Cultured Muscle Stem Cells from Low Birth Weight Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2254-2264.	3.6	9
80	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. <i>Journal of Physiology</i> , 2016, 594, 745-761.	2.9	78
81	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E706-E719.	3.5	53
82	The Cancer Drug Dasatinib Increases PGC-1 α in Adipose Tissue but Has Adverse Effects on Glucose Tolerance in Obese Mice. <i>Endocrinology</i> , 2016, 157, 4184-4191.	2.8	5
83	Decreased spontaneous activity in AMPK β 2 muscle specific kinase dead mice is not caused by changes in brain dopamine metabolism. <i>Physiology and Behavior</i> , 2016, 164, 300-305.	2.1	5
84	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. <i>Endocrinology</i> , 2016, 157, 3009-3015.	2.8	13
85	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. <i>Molecular Metabolism</i> , 2016, 5, 646-655.	6.5	44
86	Role of AMP-Activated Protein Kinase for Regulating Post-exercise Insulin Sensitivity. <i>Exs</i> , 2016, 107, 81-126.	1.4	21
87	Rac1 governs exercise-stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. <i>Journal of Physiology</i> , 2016, 594, 4997-5008.	2.9	87
88	Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. <i>Cellular Signalling</i> , 2016, 28, 663-674.	3.6	62
89	Intact Regulation of the AMPK Signaling Network in Response to Exercise and Insulin in Skeletal Muscle of Male Patients With Type 2 Diabetes: Illumination of AMPK Activation in Recovery From Exercise. <i>Diabetes</i> , 2016, 65, 1219-1230.	0.6	62
90	Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPK β 2. <i>Vascular Pharmacology</i> , 2016, 78, 24-35.	2.1	26

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91	Î±-MSH Stimulates Glucose Uptake in Mouse Muscle and Phosphorylates Rab-GTPase-Activating Protein TBC1D1 Independently of AMPK. PLoS ONE, 2016, 11, e0157027.	2.5	8
92	Enhanced insulin signaling in human skeletal muscle and adipose tissue following gastric bypass surgery. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R510-R524.	1.8	42
93	Effects of Exercise Training on Regulation of Skeletal Muscle Glucose Metabolism in Elderly Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 866-872.	3.6	32
94	PT-1 selectively activates AMPK-Î³1 complexes in mouse skeletal muscle, but activates all three Î³ subunit complexes in cultured human cells by inhibiting the respiratory chain. Biochemical Journal, 2015, 467, 461-472.	3.7	47
95	Epinephrine-stimulated glycogen breakdown activates glycogen synthase and increases insulin-stimulated glucose uptake in epitrochlearis muscles. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E231-E240.	3.5	29
96	Human muscle fibre type-specific regulation of AMPK and downstream targets by exercise. Journal of Physiology, 2015, 593, 2053-2069.	2.9	90
97	AMPKÎ± is critical for enhancing skeletal muscle fatty acid utilization during<i>in vivo</i> exercise in mice. FASEB Journal, 2015, 29, 1725-1738.	0.5	68
98	Prior AICAR Stimulation Increases Insulin Sensitivity in Mouse Skeletal Muscle in an AMPK-Dependent Manner. Diabetes, 2015, 64, 2042-2055.	0.6	115
99	New Nordic Diet-Induced Weight Loss Is Accompanied by Changes in Metabolism and AMPK Signaling in Adipose Tissue. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3509-3519.	3.6	39
100	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E142-E153.	3.5	28
101	AMPKÎ± is essential for acute exercise-induced gene responses but not for exercise training-induced adaptations in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E900-E914.	3.5	28
102	Human Muscle Fiber Type-Specific Insulin Signaling: Impact of Obesity and Type 2 Diabetes. Diabetes, 2015, 64, 485-497.	0.6	150
103	Rac1 - a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. Experimental Physiology, 2014, 99, 1574-1580.	2.0	58
104	Increased skeletal muscle capillarization enhances insulin sensitivity. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1105-E1116.	3.5	41
105	Two weeks of metformin treatment induces AMPK-dependent enhancement of insulin-stimulated glucose uptake in mouse soleus muscle. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1099-E1109.	3.5	58
106	Acute exercise and physiological insulin induce distinct phosphorylation signatures on TBC1D1 and TBC1D4 proteins in human skeletal muscle. Journal of Physiology, 2014, 592, 351-375.	2.9	95
107	Exercise physiology: From performance studies to muscle physiology and cardiovascular adaptations. Journal of Applied Physiology, 2014, 117, 943-944.	2.5	2
108	Early Enhancements of Hepatic and Later of Peripheral Insulin Sensitivity Combined With Increased Postprandial Insulin Secretion Contribute to Improved Glycemic Control After Roux-en-Y Gastric Bypass. Diabetes, 2014, 63, 1725-1737.	0.6	220

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109	GLP-1 increases microvascular recruitment but not glucose uptake in human and rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E355-E362.	3.5	51
110	Is contractionâ€stimulated glucose transport feedforward regulated by Ca ²⁺ ?. Experimental Physiology, 2014, 99, 1562-1568.	2.0	11
111	Contraction-stimulated glucose transport in muscle is controlled by AMPK and mechanical stress but not sarcoplasmic reticulum Ca ²⁺ release. Molecular Metabolism, 2014, 3, 742-753.	6.5	65
112	Acute mTOR inhibition induces insulin resistance and alters substrate utilization inÂvivo. Molecular Metabolism, 2014, 3, 630-641.	6.5	68
113	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. Cellular Signalling, 2014, 26, 323-331.	3.6	117
114	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. FASEB Journal, 2014, 28, 3211-3224.	0.5	182
115	Enhanced voluntary wheel running in GPRC6A receptor knockout mice. Physiology and Behavior, 2013, 118, 144-151.	2.1	16
116	Exercise, GLUT4, and Skeletal Muscle Glucose Uptake. Physiological Reviews, 2013, 93, 993-1017.	28.8	900
117	Rac1 Is a Novel Regulator of Contraction-Stimulated Glucose Uptake in Skeletal Muscle. Diabetes, 2013, 62, 1139-1151.	0.6	126
118	Effect of birth weight and 12 weeks of exercise training on exercise-induced AMPK signaling in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1379-E1390.	3.5	35
119	Effect of Long-Term Voluntary Exercise Wheel Running on Susceptibility to Bacterial Pulmonary Infections in a Mouse Model. PLoS ONE, 2013, 8, e82869.	2.5	7
120	Carboxylesterase 1 gene duplication and mRNA expression in adipose tissue are linked to obesity and metabolic function. FASEB Journal, 2013, 27, 701.6.	0.5	0
121	AMPK regulates contractionâ€induced glucose uptake in situ but not ex vivo. FASEB Journal, 2013, 27, 1202.12.	0.5	0
122	A novel AMPK activator, PTâ€1, increases gamma1 AMPKassociated activity, but not gamma3 AMPKâ€associated activity or glucose transport. FASEB Journal, 2013, 27, 1169.3.	0.5	0
123	Exerciseâ€induced upâ€regulation of skeletal muscle Nampt protein is independent of Î±2 AMPâ€activated protein kinase. FASEB Journal, 2013, 27, 1b806.	0.5	0
124	Hormone Sensitive Lipase knockout mice have higher Post Exercise Insulin Sensitivity despite accumulation of diacylglycerol. FASEB Journal, 2013, 27, .	0.5	0
125	Rac1 is a novel regulator of stretchâ€induced glucose uptake in muscle. FASEB Journal, 2013, 27, 1152.7.	0.5	0
126	EMG-Normalised Kinase Activation during Exercise Is Higher in Human Gastrocnemius Compared to Soleus Muscle. PLoS ONE, 2012, 7, e31054.	2.5	22

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127	Lipid-Induced Insulin Resistance Affects Women Less Than Men and Is Not Accompanied by Inflammation or Impaired Proximal Insulin Signaling. <i>Diabetes</i> , 2011, 60, 64-73.	0.6	106
128	AMP-activated protein kinase (AMPK) $\hat{2}1\hat{2}2$ muscle null mice reveal an essential role for AMPK in maintaining mitochondrial content and glucose uptake during exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16092-16097.	7.1	357
129	Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E761-E770.	3.5	70
130	A new method to study changes in microvascular blood volume in muscle and adipose tissue: real-time imaging in humans and rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H450-H458.	3.2	71
131	Identification of a novel phosphorylation site on TBC1D4 regulated by AMP-activated protein kinase in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C377-C385.	4.6	86
132	Knockout of the predominant conventional PKC isoform, PKC $\hat{1}$, in mouse skeletal muscle does not affect contraction-stimulated glucose uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E340-E348.	3.5	21
133	Dysregulation of Glycogen Synthase COOH- and NH ₂ -Terminal Phosphorylation by Insulin in Obesity and Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4547-4556.	3.6	64
134	Genetic disruption of AMPK signaling abolishes both contraction- and insulin-stimulated TBC1D1 phosphorylation and 14-3-3 binding in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E665-E675.	3.5	136
135	Reduced malonyl-CoA content in recovery from exercise correlates with improved insulin-stimulated glucose uptake in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E787-E795.	3.5	18
136	Genetic and metabolic effects on skeletal muscle AMPK in young and older twins. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E956-E964.	3.5	30
137	A-769662 activates AMPK $\hat{2}1\hat{2}2$ -containing complexes but induces glucose uptake through a PI3-kinase-dependent pathway in mouse skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1041-C1052.	4.6	93
138	Genetic impairment of AMPK $\hat{2}1\hat{2}2$ signaling does not reduce muscle glucose uptake during treadmill exercise in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E924-E934.	3.5	78
139	AMPK and the biochemistry of exercise: implications for human health and disease. <i>Biochemical Journal</i> , 2009, 418, 261-275.	3.7	375
140	AMPK $\hat{1}$ Activation Is Required for Stimulation of Glucose Uptake by Twitch Contraction, but Not by H ₂ O ₂ , in Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2008, 3, e2102.	2.5	77
141	Possible CaMKK-dependent regulation of AMPK phosphorylation and glucose uptake at the onset of mild tetanic skeletal muscle contraction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1308-E1317.	3.5	177
142	Effects of Endurance Exercise Training on Insulin Signaling in Human Skeletal Muscle. <i>Diabetes</i> , 2007, 56, 2093-2102.	0.6	162
143	Role of Akt substrate of 160 kDa in insulin-stimulated and contraction-stimulated glucose transport. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 557-566.	1.9	155
144	Exercise improves phosphatidylinositol-3,4,5-trisphosphate responsiveness of atypical protein kinase C and interacts with insulin signalling to peptide elongation in human skeletal muscle. <i>Journal of Physiology</i> , 2007, 582, 1289-1301.	2.9	37

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145	Effects of acute exercise and training on insulin action and sensitivity: focus on molecular mechanisms in muscle. <i>Essays in Biochemistry</i> , 2006, 42, 31-46.	4.7	79
146	5â€²AMP activated protein kinase expression in human skeletal muscle: effects of strength training and type 2 diabetes. <i>Journal of Physiology</i> , 2005, 564, 563-573.	2.9	141
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