

Jürgen Wojtaszewski

List of Publications by Year in descending order

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172
papers

12,422
citations

28736

57
h-index

31191

106
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184
all docs

184
docs citations

184
times ranked

12492
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise, GLUT4, and Skeletal Muscle Glucose Uptake. <i>Physiological Reviews</i> , 2013, 93, 993-1017.	13.1	900
2	Strength Training Increases Insulin-Mediated Glucose Uptake, GLUT4 Content, and Insulin Signaling in Skeletal Muscle in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2004, 53, 294-305.	0.3	498
3	Knockout of the $\alpha 2$ but Not $\alpha 1$ 5'-AMP-activated Protein Kinase Isoform Abolishes 5-Aminoimidazole-4-carboxamide-1- β -D-ribofuranosidebut Not Contraction-induced Glucose Uptake in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2004, 279, 1070-1079.	1.6	484
4	Muscle Glucose Metabolism following Exercise in the Rat. <i>Journal of Clinical Investigation</i> , 1982, 69, 785-793.	3.9	435
5	Isoform-specific and exercise intensity-dependent activation of 5'-AMP-activated protein kinase in human skeletal muscle. <i>Journal of Physiology</i> , 2000, 528, 221-226.	1.3	378
6	AMPK and the biochemistry of exercise: implications for human health and disease. <i>Biochemical Journal</i> , 2009, 418, 261-275.	1.7	375
7	AMP-activated protein kinase (AMPK) $\alpha 2$ 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.	3.3	357
8	Exercise-stimulated glucose uptake α regulation and implications for glycaemic control. <i>Nature Reviews Endocrinology</i> , 2017, 13, 133-148.	4.3	312
9	AMPK in skeletal muscle function and metabolism. <i>FASEB Journal</i> , 2018, 32, 1741-1777.	0.2	289
10	Regulation of 5'-AMP-activated protein kinase activity and substrate utilization in exercising human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E813-E822.	1.8	281
11	Oral creatine supplementation facilitates the rehabilitation of disuse atrophy and alters the expression of muscle myogenic factors in humans. <i>Journal of Physiology</i> , 2001, 536, 625-633.	1.3	257
12	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. <i>Diabetes</i> , 2014, 63, 1725-1737.	0.3	220
13	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.	7.2	205
14	Glucose, exercise and insulin: emerging concepts. <i>Journal of Physiology</i> , 2001, 535, 313-322.	1.3	198
15	Exercise modulates postreceptor insulin signaling and glucose transport in muscle-specific insulin receptor knockout mice. <i>Journal of Clinical Investigation</i> , 1999, 104, 1257-1264.	3.9	192
16	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. <i>FASEB Journal</i> , 2014, 28, 3211-3224.	0.2	182
17	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.	1.8	177
18	Caffeine ingestion does not alter carbohydrate or fat metabolism in human skeletal muscle during exercise. <i>Journal of Physiology</i> , 2000, 529, 837-847.	1.3	174

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19	Effects of Endurance Exercise Training on Insulin Signaling in Human Skeletal Muscle. <i>Diabetes</i> , 2007, 56, 2093-2102.	0.3	162
20	Role of Akt substrate of 160ÅkDa in insulin-stimulated and contraction-stimulated glucose transport. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 557-566.	0.9	155
21	Human Muscle Fiber Typeâ€“Specific Insulin Signaling: Impact of Obesity and Type 2 Diabetes. <i>Diabetes</i> , 2015, 64, 485-497.	0.3	150
22	5â€“AMP 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.	1.3	141
23	Enhanced Muscle Insulin Sensitivity After Contraction/Exercise Is Mediated by AMPK. <i>Diabetes</i> , 2017, 66, 598-612.	0.3	137
24	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.	1.8	136
25	5â€“AMP-activated protein kinase activity and protein expression are regulated by endurance training in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E411-E417.	1.8	133
26	5â€“AMP-activated protein kinase activity and subunit expression in exercise-trained human skeletal muscle. <i>Journal of Applied Physiology</i> , 2003, 94, 631-641.	1.2	129
27	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. <i>Nature Communications</i> , 2019, 10, 4623.	5.8	128
28	Rac1 Is a Novel Regulator of Contraction-Stimulated Glucose Uptake in Skeletal Muscle. <i>Diabetes</i> , 2013, 62, 1139-1151.	0.3	126
29	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. <i>Cell Metabolism</i> , 2021, 33, 758-780.	7.2	124
30	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , 2017, 66, 1501-1510.	0.3	120
31	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. <i>Cellular Signalling</i> , 2014, 26, 323-331.	1.7	117
32	Exercise and insulin cause GLUT-4 translocation in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E733-E741.	1.8	115
33	Prior AICAR Stimulation Increases Insulin Sensitivity in Mouse Skeletal Muscle in an AMPK-Dependent Manner. <i>Diabetes</i> , 2015, 64, 2042-2055.	0.3	115
34	Glycogen synthase localization and activity in rat skeletal muscle is strongly dependent on glycogen content. <i>Journal of Physiology</i> , 2001, 531, 757-769.	1.3	113
35	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.	0.3	106
36	Invited Review: Effect of acute exercise on insulin signaling and action in humans. <i>Journal of Applied Physiology</i> , 2002, 93, 384-392.	1.2	103

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37	Acute exercise and physiological insulin induce distinct phosphorylation signatures on TBC1D1 and TBC1D4 proteins in human skeletal muscle. <i>Journal of Physiology</i> , 2014, 592, 351-375.	1.3	95
38	Marathon running transiently increases c-Jun NH ₂ -terminal kinase and p38 ^β activities in human skeletal muscle. <i>Journal of Physiology</i> , 2000, 526, 663-669.	1.3	93
39	A-769662 activates AMPK ^γ -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.	2.1	93
40	Human muscle fibre type-specific regulation of AMPK and downstream targets by exercise. <i>Journal of Physiology</i> , 2015, 593, 2053-2069.	1.3	90
41	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.	1.3	87
42	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.	2.1	86
43	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.	1.6	83
44	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.	2.1	79
45	Genetic impairment of AMPK ^α 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.	1.8	78
46	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. <i>Journal of Physiology</i> , 2016, 594, 745-761.	1.3	78
47	Alpha and Beta adrenergic effects on metabolism in contracting, perfused muscle. <i>Acta Physiologica Scandinavica</i> , 1982, 116, 215-222.	2.3	77
48	AMPK ^α 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.	1.1	77
49	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.	1.5	71
50	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.	1.8	70
51	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , 2021, 12, 1041.	5.8	69
52	Acute mTOR inhibition induces insulin resistance and alters substrate utilization <i>in vivo</i> . <i>Molecular Metabolism</i> , 2014, 3, 630-641.	3.0	68
53	AMPK ^α is critical for enhancing skeletal muscle fatty acid utilization during <i>in vivo</i> exercise in mice. <i>FASEB Journal</i> , 2015, 29, 1725-1738.	0.2	68
54	AMPK and TBC1D1 Regulate Muscle Glucose Uptake After, but Not During, Exercise and Contraction. <i>Diabetes</i> , 2019, 68, 1427-1440.	0.3	67

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55	Contraction-stimulated glucose transport in muscle is controlled by AMPK and mechanical stress but not sarcoplasmic reticulum Ca ²⁺ release. <i>Molecular Metabolism</i> , 2014, 3, 742-753.	3.0	65
56	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.	1.8	64
57	Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. <i>Cellular Signalling</i> , 2016, 28, 663-674.	1.7	62
58	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.	0.3	62
59	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Experimental Physiology</i> , 2014, 99, 1574-1580.	0.9	58
60	Two weeks of metformin treatment induces AMPK-dependent enhancement of insulin-stimulated glucose uptake in mouse soleus muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1099-E1109.	1.8	58
61	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. <i>Molecular Metabolism</i> , 2018, 16, 24-34.	3.0	58
62	Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. <i>EMBO Journal</i> , 2019, 38, e102578.	3.5	54
63	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.	1.8	53
64	Housing temperature influences exercise training adaptations in mice. <i>Nature Communications</i> , 2020, 11, 1560.	5.8	52
65	GLP-1 increases microvascular recruitment but not glucose uptake in human and rat skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E355-E362.	1.8	51
66	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.	1.8	50
67	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.	0.3	48
68	PT-1 selectively activates AMPK- β 1 complexes in mouse skeletal muscle, but activates all three β subunit complexes in cultured human cells by inhibiting the respiratory chain. <i>Biochemical Journal</i> , 2015, 467, 461-472.	1.7	47
69	Opposite Regulation of Insulin Sensitivity by Dietary Lipid Versus Carbohydrate Excess. <i>Diabetes</i> , 2017, 66, 2583-2595.	0.3	46
70	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. <i>Molecular Metabolism</i> , 2016, 5, 646-655.	3.0	44
71	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.	1.6	44
72	Personalized phosphoproteomics identifies functional signaling. <i>Nature Biotechnology</i> , 2022, 40, 576-584.	9.4	44

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73	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. <i>Journal of Physiology</i> , 2017, 595, 4845-4855.	1.3	43
74	Enhanced insulin signaling in human skeletal muscle and adipose tissue following gastric bypass surgery. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R510-R524.	0.9	42
75	Increased skeletal muscle capillarization enhances insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E1105-E1116.	1.8	41
76	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.	1.3	41
77	Current advances in our understanding of exercise as medicine in metabolic disease. <i>Current Opinion in Physiology</i> , 2019, 12, 12-19.	0.9	41
78	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.	1.3	41
79	TBC1D4 Is Necessary for Enhancing Muscle Insulin Sensitivity in Response to AICAR and Contraction. <i>Diabetes</i> , 2019, 68, 1756-1766.	0.3	40
80	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.	1.8	40
81	New Nordic Diet-Induced Weight Loss Is Accompanied by Changes in Metabolism and AMPK Signaling in Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3509-3519.	1.8	39
82	Muscle- and fibre type-specific expression of glucose transporter 4, glycogen synthase and glycogen phosphorylase proteins in human skeletal muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 452-456.	1.3	38
83	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.	1.3	37
84	Differential effect of bicycling exercise intensity on activity and phosphorylation of atypical protein kinase C and extracellular signal-regulated protein kinase in skeletal muscle. <i>Journal of Physiology</i> , 2004, 560, 909-918.	1.3	36
85	Effect of birth weight and 12 weeks of exercise training on exercise-induced AMPK signaling in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E1379-E1390.	1.8	35
86	Insulin-induced membrane permeability to glucose in human muscles at rest and following exercise. <i>Journal of Physiology</i> , 2020, 598, 303-315.	1.3	35
87	DOPA, dopamine, and DOPAC concentrations in the rat gastrointestinal tract decrease during fasting. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E815-E822.	1.8	34
88	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.	1.8	34
89	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.	0.7	33
90	Effects of Exercise Training on Regulation of Skeletal Muscle Glucose Metabolism in Elderly Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 866-872.	1.7	32

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91	Inducible deletion of skeletal muscle AMPK $\hat{\pm}$ 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.	3.0	32
92	Growth Factor-Dependent and -Independent Activation of mTORC2. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 13-24.	3.1	31
93	Interactions between insulin and exercise. <i>Biochemical Journal</i> , 2021, 478, 3827-3846.	1.7	31
94	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.	1.8	30
95	Is GLUT4 translocation the answer to exercise-stimulated muscle glucose uptake?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E240-E243.	1.8	30
96	Factors mediating exercise-induced organ crosstalk. <i>Acta Physiologica</i> , 2022, 234, e13766.	1.8	30
97	Epinephrine-stimulated glycogen breakdown activates glycogen synthase and increases insulin-stimulated glucose uptake in epitrochlearis muscles. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E231-E240.	1.8	29
98	Prior exercise in humans redistributes intramuscular GLUT4 and enhances insulin-stimulated sarcolemmal and endosomal GLUT4 translocation. <i>Molecular Metabolism</i> , 2020, 39, 100998.	3.0	29
99	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E142-E153.	1.8	28
100	AMPK $\hat{\pm}$ is essential for acute exercise-induced gene responses but not for exercise training-induced adaptations in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E900-E914.	1.8	28
101	Skeletal muscle and hormonal adaptation to physical training in the rat: role of the sympatho-adrenal system. <i>Acta Physiologica Scandinavica</i> , 1985, 123, 127-138.	2.3	27
102	Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPK $\hat{\pm}$ 2. <i>Vascular Pharmacology</i> , 2016, 78, 24-35.	1.0	26
103	GDF15 in Appetite and Exercise: Essential Player or Coincidental Bystander?. <i>Endocrinology</i> , 2022, 163, .	1.4	26
104	GLUT-4 translocation in skeletal muscle studied with a cell-free assay: involvement of phospholipase D. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E608-E618.	1.8	25
105	Effect of bariatric surgery on plasma GDF15 in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E615-E621.	1.8	25
106	Thyroid hormone receptor $\hat{\pm}$ in skeletal muscle is essential for T3-mediated increase in energy expenditure. <i>FASEB Journal</i> , 2020, 34, 15480-15491.	0.2	25
107	Glucometabolic consequences of acute and prolonged inhibition of fatty acid oxidation. <i>Journal of Lipid Research</i> , 2020, 61, 10-19.	2.0	23
108	Quantification of exercise-regulated ubiquitin signaling in human skeletal muscle identifies protein modification cross talk via NEDDylation. <i>FASEB Journal</i> , 2020, 34, 5906-5916.	0.2	23

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109	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.	1.8	23
110	EMG-Normalised Kinase Activation during Exercise Is Higher in Human Gastrocnemius Compared to Soleus Muscle. <i>PLoS ONE</i> , 2012, 7, e31054.	1.1	22
111	Knockout of the predominant conventional PKC isoform, PKC δ , in mouse skeletal muscle does not affect contraction-stimulated glucose uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E340-E348.	1.8	21
112	Role of AMP-Activated Protein Kinase for Regulating Post-exercise Insulin Sensitivity. <i>Exs</i> , 2016, 107, 81-126.	1.4	21
113	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.	1.3	21
114	Effects of menopause and high-intensity training on insulin sensitivity and muscle metabolism. <i>Menopause</i> , 2018, 25, 165-175.	0.8	21
115	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.	0.3	21
116	Effects of hyperinsulinemia and hyperglycemia on insulin receptor function and glycogen synthase activation in skeletal muscle of normal man. <i>Metabolism: Clinical and Experimental</i> , 1991, 40, 830-835.	1.5	20
117	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. <i>Diabetes</i> , 2019, 68, 502-514.	0.3	20
118	Endurance training augments the stimulatory effect of epinephrine on oxygen consumption in perfused skeletal muscle. <i>Acta Physiologica Scandinavica</i> , 1984, 120, 613-615.	2.3	19
119	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.	1.8	18
120	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.	0.7	18
121	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.	1.2	18
122	Small Amounts of Dietary Medium-Chain Fatty Acids Protect Against Insulin Resistance During Caloric Excess in Humans. <i>Diabetes</i> , 2021, 70, 91-98.	0.3	18
123	Post-exercise recovery for the endurance athlete with type 1 diabetes: a consensus statement. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 304-317.	5.5	18
124	Enhanced voluntary wheel running in GPRC6A receptor knockout mice. <i>Physiology and Behavior</i> , 2013, 118, 144-151.	1.0	16
125	Diabetes, Insulin and Exercise. <i>Sports Medicine</i> , 1986, 3, 275-288.	3.1	15
126	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.	0.9	15

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127	Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. <i>Journal of Physiology</i> , 2020, 598, 5351-5377.	1.3	15
128	Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells. <i>Nature Communications</i> , 2022, 13, 22.	5.8	15
129	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.	1.0	14
130	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. <i>Endocrinology</i> , 2016, 157, 3009-3015.	1.4	13
131	Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome. <i>Diabetes</i> , 2020, 69, 2267-2280.	0.3	13
132	The insulin-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.	1.3	13
133	Colchicine treatment impairs skeletal muscle mitochondrial function and insulin sensitivity in an age-specific manner. <i>FASEB Journal</i> , 2020, 34, 8653-8670.	0.2	13
134	β -2-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.	1.8	12
135	Is contraction-stimulated glucose transport feedforward regulated by Ca^{2+} ?. <i>Experimental Physiology</i> , 2014, 99, 1562-1568.	0.9	11
136	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.	1.7	11
137	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.	1.8	9
138	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.	1.8	9
139	Pharmacological targeting of α 3 nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , 2020, 63, 1236-1247.	2.9	9
140	The p21-activated kinase 2 (PAK2), but not PAK1, regulates contraction-stimulated skeletal muscle glucose transport. <i>Physiological Reports</i> , 2020, 8, e14460.	0.7	9
141	β -MSH Stimulates Glucose Uptake in Mouse Muscle and Phosphorylates Rab-GTPase-Activating Protein TBC1D1 Independently of AMPK. <i>PLoS ONE</i> , 2016, 11, e0157027.	1.1	8
142	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.	0.9	8
143	Effect of Long-Term Voluntary Exercise Wheel Running on Susceptibility to Bacterial Pulmonary Infections in a Mouse Model. <i>PLoS ONE</i> , 2013, 8, e82869.	1.1	7
144	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.	1.2	7

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146	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.	0.9	7
147	Measurement of Insulin- and Contraction-Stimulated Glucose Uptake in Isolated and Incubated Mature Skeletal Muscle from Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	7
148	The effect of training on responses of β -endorphin and other pituitary hormones to insulin-induced hypoglycemia. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1985, 54, 476-479.	1.2	6
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150	Physical activity attenuates postprandial hyperglycaemia in homozygous TBC1D4 loss-of-function mutation carriers. <i>Diabetologia</i> , 2021, 64, 1795-1804.	2.9	6
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161	Blinded by the reference protein?. <i>Journal of Applied Physiology</i> , 2020, 128, 1462-1463.	1.2	2
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