Erik A Richter

List of Publications by Year
in descending order

362 papers	27,529 citations	3334 91 h-index	9103 144 g-index
385 all docs	385 docs citations	385 times ranked	19051 citing authors

#	Article	IF	Citations
1	GDF15 in Appetite and Exercise: Essential Player or Coincidental Bystander?. Endocrinology, 2022, 163, .	2.8	26
2	Personalized phosphoproteomics identifies functional signaling. Nature Biotechnology, 2022, 40, 576-584.	17.5	44
3	Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells. Nature Communications, 2022, 13, 22.	12.8	15
4	Exercise increases phosphorylation of the putative mTORC2 activity readout NDRG1 in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E63-E73.	3.5	4
5	Nutritional optimization for female elite football playersâ€"topical review. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 81-104.	2.9	12
6	An exercise-inducible metabolite that suppresses feeding and obesity. Nature, 2022, 606, 785-790.	27.8	96
7	Is GLUT4 translocation the answer to exercise-stimulated muscle glucose uptake?. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E240-E243.	3.5	30
8	Small Amounts of Dietary Medium-Chain Fatty Acids Protect Against Insulin Resistance During Caloric Excess in Humans. Diabetes, 2021, 70, 91-98.	0.6	18
9	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. Nature Communications, 2021, 12, 1041.	12.8	69
10	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. Cell Metabolism, 2021, 33, 758-780.	16.2	124
11	Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. Nature Communications, 2021, 12, 304.	12.8	79
12	Interactions between insulin and exercise. Biochemical Journal, 2021, 478, 3827-3846.	3.7	31
13	Growth Factor-Dependent and -Independent Activation of mTORC2. Trends in Endocrinology and Metabolism, 2020, 31, 13-24.	7.1	31
14	Insulinâ€induced membrane permeability to glucose in human muscles at rest and following exercise. Journal of Physiology, 2020, 598, 303-315.	2.9	35
15	Glucometabolic consequences of acute and prolonged inhibition of fatty acid oxidation. Journal of Lipid Research, 2020, 61, 10-19.	4.2	23
16	Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome. Diabetes, 2020, 69, 2267-2280.	0.6	13
17	The insulinâ€sensitizing effect of a single exercise bout is similar in type I and type II human muscle fibres. Journal of Physiology, 2020, 598, 5687-5699.	2.9	13
18	Tuning fatty acid oxidation in skeletal muscle with dietary fat and exercise. Nature Reviews Endocrinology, 2020, 16, 683-696.	9.6	74

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19	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. Cell, 2020, 183, 62-75.e17.	28.9	129
20	Insulinâ€stimulated glucose uptake partly relies on p21â€activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. Journal of Physiology, 2020, 598, 5351-5377.	2.9	15
21	Quantification of exerciseâ€regulated ubiquitin signaling in human skeletal muscle identifies protein modification cross talk via NEDDylation. FASEB Journal, 2020, 34, 5906-5916.	0.5	23
22	Housing temperature influences exercise training adaptations in mice. Nature Communications, 2020, 11, 1560.	12.8	52
23	Pharmacological targeting of Î±3Î²4 nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. Diabetologia, 2020, 63, 1236-1247.	6.3	9
24	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E311-E312.	3.5	4
25	Circulating Follistatin and Activin A and Their Regulation by Insulin in Obesity and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1343-1354.	3.6	23
26	A Single Bout of One-Legged Exercise to Local Exhaustion Decreases Insulin Action in Nonexercised Muscle Leading to Decreased Whole-Body Insulin Action. Diabetes, 2020, 69, 578-590.	0.6	21
27	The Importance of Fatty Acids as Nutrients during Post-Exercise Recovery. Nutrients, 2020, 12, 280.	4.1	29
28	Cancer causes metabolic perturbations associated with reduced insulin-stimulated glucose uptake in peripheral tissues and impaired muscle microvascular perfusion. Metabolism: Clinical and Experimental, 2020, 105, 154169.	3.4	22
29	Prior exercise in humans redistributes intramuscular GLUT4 and enhances insulin-stimulated sarcolemmal and endosomal GLUT4 translocation. Molecular Metabolism, 2020, 39, 100998.	6.5	29
30	The p21â€activated kinase 2 (PAK2), but not PAK1, regulates contractionâ€stimulated skeletal muscle glucose transport. Physiological Reports, 2020, 8, e14460.	1.7	9
31	Does Acute Exercise Increase Insulinâ€Stimulated Skeletal Muscle Glucose Uptake, Blood Flow And Insulin Signalling In Response To A Meal?. FASEB Journal, 2020, 34, 1-1.	0.5	0
32	Mechanisms involved in follistatinâ€induced hypertrophy and increased insulin action in skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1241-1257.	7.3	47
33	Phosphoproteomics reveals conserved exerciseâ€stimulated signaling and AMPK regulation of storeâ€operated calcium entry. EMBO Journal, 2019, 38, e102578.	7.8	54
34	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. Nature Communications, 2019, 10, 4623.	12.8	128
35	Fatty acid typeâ€"specific regulation of SIRT1 does not affect insulin sensitivity in human skeletal muscle. FASEB Journal, 2019, 33, 5510-5519.	0.5	4
36	Current advances in our understanding of exercise as medicine in metabolic disease. Current Opinion in Physiology, 2019, 12, 12-19.	1.8	41

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37	Dietary Fuels in Athletic Performance. Annual Review of Nutrition, 2019, 39, 45-73.	10.1	23
38	Molecular Mechanisms in Skeletal Muscle Underlying Insulin Resistance in Women Who Are Lean With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1841-1854.	3.6	50
39	Effect of bariatric surgery on plasma GDF15 in humans. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E615-E621.	3.5	25
40	Metformin does not compromise energy status in human skeletal muscle at rest or during acute exercise: A randomised, crossover trial. Physiological Reports, 2019, 7, e14307.	1.7	18
41	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. Diabetes, 2019, 68, 502-514.	0.6	20
42	Exercise training reduces the insulinâ€sensitizing effect of a single bout of exercise in human skeletal muscle. Journal of Physiology, 2019, 597, 89-103.	2.9	41
43	Mechanisms Preserving Insulin Action during High Dietary Fat Intake. Cell Metabolism, 2019, 29, 50-63.e4.	16.2	50
44	Exercise increases circulating GDF15 in humans. Molecular Metabolism, 2018, 9, 187-191.	6.5	109
45	Extracellular Vesicles Provide a Means for Tissue Crosstalk during Exercise. Cell Metabolism, 2018, 27, 237-251.e4.	16.2	426
46	NOX2 is a major ROS source in exercising muscle regulating glucose uptake. Free Radical Biology and Medicine, 2018, 120, S30.	2.9	1
47	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. Molecular Metabolism, 2018, 16, 24-34.	6.5	58
48	Quantitative proteomic characterization of cellular pathways associated with altered insulin sensitivity in skeletal muscle following high-fat diet feeding and exercise training. Scientific Reports, 2018, 8, 10723.	3.3	44
49	Rac1 muscle knockout exacerbates the detrimental effect of highâ€fat diet on insulinâ€stimulated muscle glucose uptake independently of Akt. Journal of Physiology, 2018, 596, 2283-2299.	2.9	41
50	Molecular Regulation of Fatty Acid Oxidation in Skeletal Muscle during Aerobic Exercise. Trends in Endocrinology and Metabolism, 2018, 29, 18-30.	7.1	100
51	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. Diabetes, 2017, 66, 1548-1559.	0.6	48
52	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. Journal of Physiology, 2017, 595, 4845-4855.	2.9	43
53	Variable reliability of surrogate measures of insulin sensitivity after Roux-en-Y gastric bypass. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R797-R805.	1.8	15
54	Activation of AMP-activated protein kinase rapidly suppresses multiple pro-inflammatory pathways in adipocytes including IL-1 receptor-associated kinase-4 phosphorylation. Molecular and Cellular Endocrinology, 2017, 440, 44-56.	3.2	83

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55	Endothelial mechanotransduction proteins and vascular function are altered by dietary sucrose supplementation in healthy young male subjects. Journal of Physiology, 2017, 595, 5557-5571.	2.9	21
56	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. Diabetes, 2017, 66, 1501-1510.	0.6	120
57	Multiplexed Temporal Quantification of the Exercise-regulated Plasma Peptidome. Molecular and Cellular Proteomics, 2017, 16, 2055-2068.	3.8	56
58	Opposite Regulation of Insulin Sensitivity by Dietary Lipid Versus Carbohydrate Excess. Diabetes, 2017, 66, 2583-2595.	0.6	46
59	Exercise-stimulated glucose uptake â€" regulation and implications for glycaemic control. Nature Reviews Endocrinology, 2017, 13, 133-148.	9.6	312
60	Nearâ€normalization of glycaemic control with glucagonâ€like peptideâ€1 receptor agonist treatment combined with exercise in patients with type 2 diabetes. Diabetes, Obesity and Metabolism, 2017, 19, 172-180.	4.4	36
61	Circulating FGF21 in humans is potently induced by short term overfeeding of carbohydrates. Molecular Metabolism, 2017, 6, 22-29.	6.5	95
62	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. Journal of Physiology, 2016, 594, 745-761.	2.9	78
63	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E706-E719.	3.5	53
64	The Cancer Drug Dasatinib Increases PGC-1Î± in Adipose Tissue but Has Adverse Effects on Glucose Tolerance in Obese Mice. Endocrinology, 2016, 157, 4184-4191.	2.8	5
65	Decreased spontaneous activity in AMPK Î±2 muscle specific kinase dead mice is not caused by changes in brain dopamine metabolism. Physiology and Behavior, 2016, 164, 300-305.	2.1	5
66	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. Endocrinology, 2016, 157, 3009-3015.	2.8	13
67	Partial Disruption of Lipolysis Increases Postexercise Insulin Sensitivity in Skeletal Muscle Despite Accumulation of DAG. Diabetes, 2016, 65, 2932-2942.	0.6	19
68	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. Molecular Metabolism, 2016, 5, 646-655.	6.5	44
69	Rac1 governs exerciseâ€stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. Journal of Physiology, 2016, 594, 4997-5008.	2.9	87
70	Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. Cellular Signalling, 2016, 28, 663-674.	3.6	62
71	Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPKÎ±2. Vascular Pharmacology, 2016, 78, 24-35.	2.1	26
72	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

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73	Reply from Lykke Sylow, Lisbeth L. V. MÃ¸ller, Maximilian Kleinert, Erik A. Richter and Thomas E. Jensen. Journal of Physiology, 2015, 593, 2239-2240.	2.9	0
74	5â€²â€AMP activated protein kinase Î± ₂ controls substrate metabolism during postâ€exercise recovery via regulation of pyruvate dehydrogenase kinaseÂ4. Journal of Physiology, 2015, 593, 4765-4780.	2.9	39
75	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
76	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
77	New Nordic Dietâ€“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
78	Differential effects of glucagonâ€like peptideâ€1 on microvascular recruitment and glucose metabolism in shortâ€and longâ€term insulin resistance. Journal of Physiology, 2015, 593, 2185-2198.	2.9	20
79	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E142-E153.	3.5	28
80	Global Phosphoproteomic Analysis of Human Skeletal Muscle Reveals a Network of Exercise-Regulated Kinases and AMPK Substrates. Cell Metabolism, 2015, 22, 922-935.	16.2	333
81	Stretchâ€stimulated glucose transport in skeletal muscle is regulated by Rac1. Journal of Physiology, 2015, 593, 645-656.	2.9	58
82	Insulin sensitivity is independent of lipid binding protein trafficking at the plasma membrane in human skeletal muscle: effect of a 3-day, high-fat diet. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1136-R1145.	1.8	11
83	Rac1 â€“ a novel regulator of contractionâ€stimulated glucose uptake in skeletal muscle. Experimental Physiology, 2014, 99, 1574-1580.	2.0	58
84	Novel regulatory mechanisms in muscle metabolism during exercise. Experimental Physiology, 2014, 99, 1559-1561.	2.0	0
85	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
86	Exercise physiology: From performance studies to muscle physiology and cardiovascular adaptations. Journal of Applied Physiology, 2014, 117, 943-944.	2.5	2
87	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
88	Regulation of exerciseâ€induced lipid metabolism in skeletal muscle. Experimental Physiology, 2014, 99, 1586-1592.	2.0	31
89	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
90	Is contractionâ€stimulated glucose transport feedforward regulated by Ca²⁺?. Experimental Physiology, 2014, 99, 1562-1568.	2.0	11

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91	Contraction-stimulated glucose transport in muscle is controlled by AMPK and mechanical stress but not sarcoplasmatic reticulum Ca2+ release. Molecular Metabolism, 2014, 3, 742-753.	6.5	65
92	Acute mTOR inhibition induces insulin resistance and alters substrate utilization inÂvivo. Molecular Metabolism, 2014, 3, 630-641.	6.5	68
93	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
94	Perivascular Adipose Tissue Control of Insulin-Induced Vasoreactivity in Muscle Is Impaired in db/db Mice. Diabetes, 2013, 62, 590-598.	0.6	105
95	AMPâ€activated protein kinase regulates nicotinamide phosphoribosyl transferase expression in skeletal muscle. Journal of Physiology, 2013, 591, 5207-5220.	2.9	81
96	Exercise, GLUT4, and Skeletal Muscle Glucose Uptake. Physiological Reviews, 2013, 93, 993-1017.	28.8	900
97	LKB1 Regulates Lipid Oxidation During Exercise Independently of AMPK. Diabetes, 2013, 62, 1490-1499.	0.6	66
98	Rac1 Is a Novel Regulator of Contraction-Stimulated Glucose Uptake in Skeletal Muscle. Diabetes, 2013, 62, 1139-1151.	0.6	126
99	Regulation of glycogen synthase in muscle and its role in Type 2 diabetes. Diabetes Management, 2013, 3, 81-90.	0.5	8
100	Akt2 influences glycogen synthase activity in human skeletal muscle through regulation of NH₂-terminal (sites 2 + 2a) phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E631-E639.	3.5	17
101	Adiponectin concentration is associated with muscle insulin sensitivity, AMPK phosphorylation, and ceramide content in skeletal muscles of men but not women. Journal of Applied Physiology, 2013, 114, 592-601.	2.5	32
102	Rac1 Signaling Is Required for Insulin-Stimulated Glucose Uptake and Is Dysregulated in Insulin-Resistant Murine and Human Skeletal Muscle. Diabetes, 2013, 62, 1865-1875.	0.6	159
103	AMPK and Insulin Action - Responses to Ageing and High Fat Diet. PLoS ONE, 2013, 8, e62338.	2.5	28
104	Exerciseâ€induced upâ€regulation of skeletal muscle Nampt protein is independent of Î±2 AMPâ€activated protein kinase. FASEB Journal, 2013, 27, lb806.	0.5	0
105	Exercise Alleviates Lipid-Induced Insulin Resistance in Human Skeletal Muscleâ€"Signaling Interaction at the Level of TBC1 Domain Family Member 4. Diabetes, 2012, 61, 2743-2752.	0.6	92
106	Involvement of atypical protein kinase C in the regulation of cardiac glucose and long-chain fatty acid uptake. Frontiers in Physiology, 2012, 3, 361.	2.8	8
107	Overexpression of Monocarboxylate Transporter-1 (<i>Slc16a1</i>) in Mouse Pancreatic Î²-Cells Leads to Relative Hyperinsulinism During Exercise. Diabetes, 2012, 61, 1719-1725.	0.6	86
108	Regulation of glucose and glycogen metabolism during and after exercise. Journal of Physiology, 2012, 590, 1069-1076.	2.9	203

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109	Endurance Training <i>Per Se</i> Increases Metabolic Health in Young, Moderately Overweight Men. Obesity, 2012, 20, 2202-2212.	3.0	61
110	EMG-Normalised Kinase Activation during Exercise Is Higher in Human Gastrocnemius Compared to Soleus Muscle. PLoS ONE, 2012, 7, e31054.	2.5	22
111	5â€²-AMP Activated Protein Kinase is Involved in the Regulation of Myocardial Î²-Oxidative Capacity in Mice. Frontiers in Physiology, 2012, 3, 33.	2.8	12
112	Randomized and double-blinded pilot clinical study of the safety and anti-diabetic efficacy of the Rauvolfia-Citrus tea, as used in Nigerian Traditional Medicine. Journal of Ethnopharmacology, 2011, 133, 402-411.	4.1	22
113	When less is more: a simple Western blotting amendment allowing data acquisition on human single fibers. Journal of Applied Physiology, 2011, 110, 583-584.	2.5	1
114	Current understanding of increased insulin sensitivity after exercise â€" emerging candidates. Acta Physiologica, 2011, 202, 323-335.	3.8	85
115	Rac1 signalling towards GLUT4/glucose uptake in skeletal muscle. Cellular Signalling, 2011, 23, 1546-1554.	3.6	118
116	Na,K-ATPase Activity in Mouse Muscle is Regulated by AMPK and PGC-1Î±. Journal of Membrane Biology, 2011, 242, 1-10.	2.1	26
117	Lipid-Induced Insulin Resistance Affects Women Less Than Men and Is Not Accompanied by Inflammation or Impaired Proximal Insulin Signaling. Diabetes, 2011, 60, 64-73.	0.6	106
118	AMP-activated protein kinase (AMPK) Î²1Î²2 muscle null mice reveal an essential role for AMPK in maintaining mitochondrial content and glucose uptake during exercise. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16092-16097.	7.1	357
119	Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E761-E770.	3.5	70
120	Protein kinase CÎ± activity is important for contraction-induced FXYD1 phosphorylation in skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1808-R1814.	1.8	21
121	A new method to study changes in microvascular blood volume in muscle and adipose tissue: real-time imaging in humans and rat. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H450-H458.	3.2	71
122	Differential aetiology and impact of phosphoinositide 3-kinase (PI3K) and Akt signalling in skeletal muscle on in vivo insulin action. Diabetologia, 2010, 53, 1998-2007.	6.3	14
123	Exerciseâ€induced TBC1D1 Ser237 phosphorylation and 14â€3â€3 protein binding capacity in human skeletal muscle. Journal of Physiology, 2010, 588, 4539-4548.	2.9	58
124	FAT/CD36 is localized in sarcolemma and in vesicle-like structures in subsarcolemma regions but not in mitochondria. Journal of Lipid Research, 2010, 51, 1504-1512.	4.2	28
125	Sucrose nonfermenting AMPK-related kinase (SNARK) mediates contraction-stimulated glucose transport in mouse skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15541-15546.	7.1	82
126	Contraction intensity and feeding affect collagen and myofibrillar protein synthesis rates differently in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E257-E269.	3.5	107

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127	Cafeteria diet-induced insulin resistance is not associated with decreased insulin signaling or AMPK activity and is alleviated by physical training in rats. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E215-E224.	3.5	40
128	Dissociation between Skeletal Muscle Inhibitor-ÎºB Kinase/Nuclear Factor-ÎºB Pathway Activity and Insulin Sensitivity in Nondiabetic Twins. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 414-421.	3.6	11
129	The balancing act between the cellular processes of protein synthesis and breakdown: exercise as a model to understand the molecular mechanisms regulating muscle mass. Journal of Applied Physiology, 2009, 106, 1365-1366.	2.5	9
130	Knockout of the predominant conventional PKC isoform, PKCÎ±, in mouse skeletal muscle does not affect contraction-stimulated glucose uptake. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E340-E348.	3.5	21
131	Adipose triglyceride lipase in human skeletal muscle is upregulated by exercise training. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E445-E453.	3.5	112
132	Regulatory mechanisms of skeletal muscle protein turnover during exercise. Journal of Applied Physiology, 2009, 106, 1702-1711.	2.5	50
133	Higher intramuscular triacylglycerol in women does not impair insulin sensitivity and proximal insulin signaling. Journal of Applied Physiology, 2009, 107, 824-831.	2.5	62
134	Genetic disruption of AMPK signaling abolishes both contraction- and insulin-stimulated TBC1D1 phosphorylation and 14-3-3 binding in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 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. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E787-E795.	3.5	18
136	Effects of contraction on localization of GLUT4 and v-SNARE isoforms in rat skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1228-R1237.	1.8	31
137	Genetic impairment of AMPKÎ±2 signaling does not reduce muscle glucose uptake during treadmill exercise in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E924-E934.	3.5	78
138	Skeletal muscle eEF2 and 4EBP1 phosphorylation during endurance exercise is dependent on intensity and muscle fiber type. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R326-R333.	1.8	53
139	AMPK and the biochemistry of exercise: implications for human health and disease. Biochemical Journal, 2009, 418, 261-275.	3.7	375
140	Potential role of TBC1D4 in enhanced post-exercise insulin action in human skeletal muscle. Diabetologia, 2009, 52, 891-900.	6.3	109
141	A Ca²⁺â€“calmodulinâ€“eEF2Kâ€“eEF2 signalling cascade, but not AMPK, contributes to the suppression of skeletal muscle protein synthesis during contractions. Journal of Physiology, 2009, 587, 1547-1563.	2.9	85
142	Multiple signalling pathways redundantly control glucose transporter <i>GLUT4</i> gene transcription in skeletal muscle. Journal of Physiology, 2009, 587, 4319-4327.	2.9	42
143	Improved Insulin Sensitivity After Exercise: Focus on Insulin Signaling. Obesity, 2009, 17, S15-20.	3.0	94
144	AMPâ€activated protein kinase in contraction regulation of skeletal muscle metabolism: necessary and/or sufficient?. Acta Physiologica, 2009, 196, 155-174.	3.8	67

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145	Crucial role for LKB1 to AMPKÎ±2 axis in the regulation of CD36-mediated long-chain fatty acid uptake into cardiomyocytesâ˜†. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 212-219.	2.4	83
146	Newton's force as countermeasure for disuse atrophy. Journal of Applied Physiology, 2009, 107, 6-7.	2.5	1
147	Can Exercise Mimetics Substitute for Exercise?. Cell Metabolism, 2008, 8, 96-98.	16.2	23
148	Effect of training in the fasted state on metabolic responses during exercise with carbohydrate intake. Journal of Applied Physiology, 2008, 104, 1045-1055.	2.5	113
149	PGC-1Î±: important for exercise performance?. Journal of Applied Physiology, 2008, 104, 1264-1265.	2.5	14
150	AMPK Î±1 Activation Is Required for Stimulation of Glucose Uptake by Twitch Contraction, but Not by H2O2, in Mouse Skeletal Muscle. PLoS ONE, 2008, 3, e2102.	2.5	77
151	Evaluation of intramyocellular lipid breakdown during exercise by biochemical assay, NMR spectroscopy, and Oil Red O staining. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E428-E434.	3.5	32
152	AS160 phosphorylation is associated with activation of Î±2Î²2Î³1- but not Î±2Î²2Î³3-AMPK trimeric complex in skeletal muscle during exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E715-E722.	3.5	115
153	Caffeine-induced Ca2+ release increases AMPK-dependent glucose uptake in rodent soleus muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E286-E292.	3.5	119
154	Low Birth Weight and Zygosity Status Is Associated With Defective Muscle Glycogen and Glycogen Synthase Regulation in Elderly Twins. Diabetes, 2007, 56, 2710-2714.	0.6	11
155	Possible CaMKK-dependent regulation of AMPK phosphorylation and glucose uptake at the onset of mild tetanic skeletal muscle contraction. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1308-E1317.	3.5	177
156	Fiber type-specific muscle glycogen sparing due to carbohydrate intake before and during exercise. Journal of Applied Physiology, 2007, 102, 183-188.	2.5	40
157	Altered Skeletal Muscle Fiber Composition and Size Precede Whole-Body Insulin Resistance in Young Men with Low Birth Weight. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1530-1534.	3.6	122
158	Effects of Endurance Exercise Training on Insulin Signaling in Human Skeletal Muscle. Diabetes, 2007, 56, 2093-2102.	0.6	162
159	Role of AMPKÎ±2 in basal, training-, and AICAR-induced GLUT4, hexokinase II, and mitochondrial protein expression in mouse muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E331-E339.	3.5	147
160	Role of AMPK in skeletal muscle gene adaptation in relation to exercise. Applied Physiology, Nutrition and Metabolism, 2007, 32, 904-911.	1.9	27
161	Regulation and function of Ca2+-calmodulin-dependent protein kinase II of fast-twitch rat skeletal muscle. Journal of Physiology, 2007, 580, 993-1005.	2.9	30
162	Muscle metabolism during graded quadriceps exercise in man. Journal of Physiology, 2007, 581, 1247-1258.	2.9	35

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