

Erik A Richter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

359
papers

22,371
citations

83
h-index

131
g-index

385
ext. papers

24,571
ext. citations

5.7
avg, IF

6.86
L-index

#	Paper	IF	Citations
359	Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells.. <i>Nature Communications</i> , 2022 , 13, 22	17.4	1
358	Exercise-Regulated Skeletal Muscle Glucose Uptake. <i>Physiology in Health and Disease</i> , 2022 , 115-136	0.2	
357	Interactions between insulin and exercise. <i>Biochemical Journal</i> , 2021 , 478, 3827-3846	3.8	0
356	Personalized phosphoproteomics identifies functional signaling. <i>Nature Biotechnology</i> , 2021 ,	44.5	8
355	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. <i>Cell Metabolism</i> , 2021 , 33, 758-780	24.6	28
354	Is GLUT4 translocation the answer to exercise-stimulated muscle glucose uptake?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E240-E243	6	12
353	Small Amounts of Dietary Medium-Chain Fatty Acids Protect Against Insulin Resistance During Caloric Excess in Humans. <i>Diabetes</i> , 2021 , 70, 91-98	0.9	4
352	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , 2021 , 12, 1041	17.4	23
351	Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. <i>Nature Communications</i> , 2021 , 12, 304	17.4	26
350	Nutritional optimization for female elite football players-topical review. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 ,	4.6	3
349	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	0.9	10
348	Housing temperature influences exercise training adaptations in mice. <i>Nature Communications</i> , 2020 , 11, 1560	17.4	23
347	Pharmacological targeting of $\alpha 5$ nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , 2020 , 63, 1236-1247	10.3	3
346	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	6	3
345	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,	5.6	10
344	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	0.9	9
343	The Importance of Fatty Acids as Nutrients during Post-Exercise Recovery. <i>Nutrients</i> , 2020 , 12,	6.7	18

342	Cancer causes metabolic perturbations associated with reduced insulin-stimulated glucose uptake in peripheral tissues and impaired muscle microvascular perfusion. <i>Metabolism: Clinical and Experimental</i> , 2020 , 105, 154169	12.7	11
341	Prior exercise in humans redistributes intramuscular GLUT4 and enhances insulin-stimulated sarcolemmal and endosomal GLUT4 translocation. <i>Molecular Metabolism</i> , 2020 , 39, 100998	8.8	12
340	The p21-activated kinase 2 (PAK2), but not PAK1, regulates contraction-stimulated skeletal muscle glucose transport. <i>Physiological Reports</i> , 2020 , 8, e14460	2.6	6
339	Does Acute Exercise Increase Insulin-Stimulated Skeletal Muscle Glucose Uptake, Blood Flow And Insulin Signalling In Response To A Meal?. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
338	Growth Factor-Dependent and -Independent Activation of mTORC2. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 13-24	8.8	14
337	Insulin-induced membrane permeability to glucose in human muscles at rest and following exercise. <i>Journal of Physiology</i> , 2020 , 598, 303-315	3.9	21
336	Glucometabolic consequences of acute and prolonged inhibition of fatty acid oxidation. <i>Journal of Lipid Research</i> , 2020 , 61, 10-19	6.3	15
335	Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome. <i>Diabetes</i> , 2020 , 69, 2267-2280	0.9	5
334	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	3.9	7
333	Tuning fatty acid oxidation in skeletal muscle with dietary fat and exercise. <i>Nature Reviews Endocrinology</i> , 2020 , 16, 683-696	15.2	28
332	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. <i>Cell</i> , 2020 , 183, 62-75.e17	56.2	37
331	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	3.9	10
330	Fatty acid type-specific regulation of SIRT1 does not affect insulin sensitivity in human skeletal muscle. <i>FASEB Journal</i> , 2019 , 33, 5510-5519	0.9	3
329	Current advances in our understanding of exercise as medicine in metabolic disease. <i>Current Opinion in Physiology</i> , 2019 , 12, 12-19	2.6	28
328	Dietary Fuels in Athletic Performance. <i>Annual Review of Nutrition</i> , 2019 , 39, 45-73	9.9	12
327	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	5.6	30
326	Mechanisms involved in follistatin-induced hypertrophy and increased insulin action in skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 1241-1257	10.3	24
325	Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. <i>EMBO Journal</i> , 2019 , 38, e102578	13	22

324	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. <i>Nature Communications</i> , 2019 , 10, 4623	17.4	81
323	Effect of bariatric surgery on plasma GDF15 in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E615-E621	6	13
322	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	2.6	10
321	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. <i>Diabetes</i> , 2019 , 68, 502-514	0.9	11
320	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	3.9	31
319	Mechanisms Preserving Insulin Action during High Dietary Fat Intake. <i>Cell Metabolism</i> , 2019 , 29, 50-63.e4	4.6	29
318	Exercise increases circulating GDF15 in humans. <i>Molecular Metabolism</i> , 2018 , 9, 187-191	8.8	68
317	Extracellular Vesicles Provide a Means for Tissue Crosstalk during Exercise. <i>Cell Metabolism</i> , 2018 , 27, 237-251.e4	24.6	257
316	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. <i>Molecular Metabolism</i> , 2018 , 16, 24-34	8.8	32
315	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	4.9	22
314	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	3.9	24
313	Molecular Regulation of Fatty Acid Oxidation in Skeletal Muscle during Aerobic Exercise. <i>Trends in Endocrinology and Metabolism</i> , 2018 , 29, 18-30	8.8	68
312	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	0.9	37
311	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. <i>Journal of Physiology</i> , 2017 , 595, 4845-4855	3.9	30
310	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	3.2	11
309	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	4.4	61
308	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	3.9	13
307	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , 2017 , 66, 1501-1510	0.9	96

306	Multiplexed Temporal Quantification of the Exercise-regulated Plasma Peptidome. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 2055-2068	7.6	32
305	Opposite Regulation of Insulin Sensitivity by Dietary Lipid Versus Carbohydrate Excess. <i>Diabetes</i> , 2017 , 66, 2583-2595	0.9	37
304	Exercise-stimulated glucose uptake - regulation and implications for glycaemic control. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 133-148	15.2	201
303	Near-normalization of glycaemic control with glucagon-like peptide-1 receptor agonist treatment combined with exercise in patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 172-180	6.7	21
302	Circulating FGF21 in humans is potently induced by short term overfeeding of carbohydrates. <i>Molecular Metabolism</i> , 2017 , 6, 22-29	8.8	64
301	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. <i>Molecular Metabolism</i> , 2016 , 5, 646-655	8.8	37
300	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	3.9	71
299	Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. <i>Cellular Signalling</i> , 2016 , 28, 663-74	4.9	45
298	Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPK α . <i>Vascular Pharmacology</i> , 2016 , 78, 24-35	5.9	23
297	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. <i>Journal of Physiology</i> , 2016 , 594, 745-61	3.9	57
296	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	6	40
295	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	4.8	1
294	Decreased spontaneous activity in AMPK α muscle specific kinase dead mice is not caused by changes in brain dopamine metabolism. <i>Physiology and Behavior</i> , 2016 , 164, 300-5	3.5	4
293	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. <i>Endocrinology</i> , 2016 , 157, 3009-15	4.8	11
292	Partial Disruption of Lipolysis Increases Postexercise Insulin Sensitivity in Skeletal Muscle Despite Accumulation of DAG. <i>Diabetes</i> , 2016 , 65, 2932-42	0.9	18
291	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, 3509-19	5.6	33
290	Differential effects of glucagon-like peptide-1 on microvascular recruitment and glucose metabolism in short- and long-term insulin resistance. <i>Journal of Physiology</i> , 2015 , 593, 2185-98	3.9	18
289	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E142-53	6	22

288	Global Phosphoproteomic Analysis of Human Skeletal Muscle Reveals a Network of Exercise-Regulated Kinases and AMPK Substrates. <i>Cell Metabolism</i> , 2015 , 22, 922-35	24.6	233
287	Stretch-stimulated glucose transport in skeletal muscle is regulated by Rac1. <i>Journal of Physiology</i> , 2015 , 593, 645-56	3.9	42
286	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, R510-24	3.2	39
285	Reply from Lykke Sylow, Lisbeth L. V. Møller, Maximilian Kleinert, Erik A. Richter and Thomas E. Jensen. <i>Journal of Physiology</i> , 2015 , 593, 2239-40	3.9	
284	5QAMP activated protein kinase α controls substrate metabolism during post-exercise recovery via regulation of pyruvate dehydrogenase kinase α . <i>Journal of Physiology</i> , 2015 , 593, 4765-80	3.9	27
283	PT-1 selectively activates AMPK- β 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, 461-72	3.8	41
282	AMPK β s critical for enhancing skeletal muscle fatty acid utilization during in vivo exercise in mice. <i>FASEB Journal</i> , 2015 , 29, 1725-38	0.9	55
281	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, 351-75	3.9	81
280	Exercise physiology: from performance studies to muscle physiology and cardiovascular adaptations. <i>Journal of Applied Physiology</i> , 2014 , 117, 943-4	3.7	2
279	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, 1725-37	0.9	192
278	Regulation of exercise-induced lipid metabolism in skeletal muscle. <i>Experimental Physiology</i> , 2014 , 99, 1586-92	2.4	24
277	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, E355-62	6	40
276	Is contraction-stimulated glucose transport feedforward regulated by Ca ²⁺ ?. <i>Experimental Physiology</i> , 2014 , 99, 1562-8	2.4	9
275	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, 742-53	8.8	54
274	Acute mTOR inhibition induces insulin resistance and alters substrate utilization in vivo. <i>Molecular Metabolism</i> , 2014 , 3, 630-41	8.8	57
273	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, 323-31	4.9	101
272	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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R1136-45	3.2	8
271	Rac1--a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Experimental Physiology</i> , 2014 , 99, 1574-80	2.4	22

270	Novel regulatory mechanisms in muscle metabolism during exercise. <i>Experimental Physiology</i> , 2014 , 99, 1559-61	2.4	
269	Perivascular adipose tissue control of insulin-induced vasoreactivity in muscle is impaired in db/db mice. <i>Diabetes</i> , 2013 , 62, 590-8	0.9	93
268	AMP-activated protein kinase regulates nicotinamide phosphoribosyl transferase expression in skeletal muscle. <i>Journal of Physiology</i> , 2013 , 591, 5207-20	3.9	67
267	Exercise, GLUT4, and skeletal muscle glucose uptake. <i>Physiological Reviews</i> , 2013 , 93, 993-1017	47.9	654
266	LKB1 regulates lipid oxidation during exercise independently of AMPK. <i>Diabetes</i> , 2013 , 62, 1490-9	0.9	54
265	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1139-51	0.9	103
264	Regulation of glycogen synthase in muscle and its role in Type 2 diabetes. <i>Diabetes Management</i> , 2013 , 3, 81-90	0	6
263	Akt2 influences glycogen synthase activity in human skeletal muscle through regulation of NHErterminal (sites 2 + 2a) phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E631-9	6	12
262	Adiponectin concentration is associated with muscle insulin sensitivity, AMPK phosphorylation, and ceramide content in skeletal muscles of men but not women. <i>Journal of Applied Physiology</i> , 2013 , 114, 592-601	3.7	27
261	Rac1 signaling is required for insulin-stimulated glucose uptake and is dysregulated in insulin-resistant murine and human skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1865-75	0.9	128
260	AMPK and insulin action--responses to ageing and high fat diet. <i>PLoS ONE</i> , 2013 , 8, e62338	3.7	21
259	Exercise-induced up-regulation of skeletal muscle Nampt protein is independent of AMP-activated protein kinase. <i>FASEB Journal</i> , 2013 , 27, 1b806	0.9	
258	Regulation of glucose and glycogen metabolism during and after exercise. <i>Journal of Physiology</i> , 2012 , 590, 1069-76	3.9	156
257	Endurance training per se increases metabolic health in young, moderately overweight men. <i>Obesity</i> , 2012 , 20, 2202-12	8	46
256	EMG-normalised kinase activation during exercise is higher in human gastrocnemius compared to soleus muscle. <i>PLoS ONE</i> , 2012 , 7, e31054	3.7	18
255	5QAMP Activated Protein Kinase is Involved in the Regulation of Myocardial EOxidative Capacity in Mice. <i>Frontiers in Physiology</i> , 2012 , 3, 33	4.6	11
254	Exercise alleviates lipid-induced insulin resistance in human skeletal muscle-signaling interaction at the level of TBC1 domain family member 4. <i>Diabetes</i> , 2012 , 61, 2743-52	0.9	78
253	Involvement of atypical protein kinase C in the regulation of cardiac glucose and long-chain fatty acid uptake. <i>Frontiers in Physiology</i> , 2012 , 3, 361	4.6	7

252	Overexpression of monocarboxylate transporter-1 (SLC16A1) in mouse pancreatic β cells leads to relative hyperinsulinism during exercise. <i>Diabetes</i> , 2012 , 61, 1719-25	0.9	72
251	Randomized and double-blinded pilot clinical study of the safety and anti-diabetic efficacy of the Rauwolfia-Citrus tea, as used in Nigerian traditional medicine. <i>Journal of Ethnopharmacology</i> , 2011 , 133, 402-11	5	17
250	Current understanding of increased insulin sensitivity after exercise - emerging candidates. <i>Acta Physiologica</i> , 2011 , 202, 323-35	5.6	70
249	Rac1 signalling towards GLUT4/glucose uptake in skeletal muscle. <i>Cellular Signalling</i> , 2011 , 23, 1546-54	4.9	106
248	Na,K-ATPase activity in mouse muscle is regulated by AMPK and PGC-1 α . <i>Journal of Membrane Biology</i> , 2011 , 242, 1-10	2.3	24
247	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	0.9	96
246	AMP-activated protein kinase (AMPK) beta1beta2 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, 16092-7	11.5	313
245	Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E761-70	6	61
244	Protein kinase C activity is important for contraction-induced FXR1 phosphorylation in skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1808-14	3.2	17
243	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, H450-8	5.2	61
242	Exercise-induced TBC1D1 Ser237 phosphorylation and 14-3-3 protein binding capacity in human skeletal muscle. <i>Journal of Physiology</i> , 2010 , 588, 4539-48	3.9	50
241	FAT/CD36 is localized in sarcolemma and in vesicle-like structures in subsarcolemma regions but not in mitochondria. <i>Journal of Lipid Research</i> , 2010 , 51, 1504-12	6.3	24
240	Sucrose nonfermenting AMPK-related kinase (SNARK) mediates contraction-stimulated glucose transport in mouse skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15541-6	11.5	73
239	Contraction intensity and feeding affect collagen and myofibrillar protein synthesis rates differently in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E257-69	6	92
238	Cafeteria diet-induced insulin resistance is not associated with decreased insulin signaling or AMPK activity and is alleviated by physical training in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E215-24	6	29
237	Dissociation between skeletal muscle inhibitor-kappaB kinase/nuclear factor-kappaB pathway activity and insulin sensitivity in nondiabetic twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 414-21	5.6	10
236	Differential aetiology and impact of phosphoinositide 3-kinase (PI3K) and Akt signalling in skeletal muscle on in vivo insulin action. <i>Diabetologia</i> , 2010 , 53, 1998-2007	10.3	11
235	The balancing act between the cellular processes of protein synthesis and breakdown: exercise as a model to understand the molecular mechanisms regulating muscle mass. <i>Journal of Applied Physiology</i> , 2009 , 106, 1365-6	3.7	7

234	Knockout of the predominant conventional PKC isoform, PKC α , in mouse skeletal muscle does not affect contraction-stimulated glucose uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E340-8	6	18
233	Adipose triglyceride lipase in human skeletal muscle is upregulated by exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E445-53	6	102
232	Regulatory mechanisms of skeletal muscle protein turnover during exercise. <i>Journal of Applied Physiology</i> , 2009 , 106, 1702-11	3.7	40
231	Higher intramuscular triacylglycerol in women does not impair insulin sensitivity and proximal insulin signaling. <i>Journal of Applied Physiology</i> , 2009 , 107, 824-31	3.7	53
230	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, E665-75	6	123
229	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, E787-95	6	15
228	Effects of contraction on localization of GLUT4 and v-SNARE isoforms in rat skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R1228-37	3.2	29
227	Genetic impairment of AMPK α 2 signaling does not reduce muscle glucose uptake during treadmill exercise in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E924-34	6	76
226	Skeletal muscle eEF2 and 4EBP1 phosphorylation during endurance exercise is dependent on intensity and muscle fiber type. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R326-33	3.2	45
225	AMPK and the biochemistry of exercise: implications for human health and disease. <i>Biochemical Journal</i> , 2009 , 418, 261-75	3.8	296
224	Potential role of TBC1D4 in enhanced post-exercise insulin action in human skeletal muscle. <i>Diabetologia</i> , 2009 , 52, 891-900	10.3	92
223	A Ca ²⁺ -calmodulin-eEF2K-eEF2 signalling cascade, but not AMPK, contributes to the suppression of skeletal muscle protein synthesis during contractions. <i>Journal of Physiology</i> , 2009 , 587, 1547-63	3.9	71
222	Multiple signalling pathways redundantly control glucose transporter GLUT4 gene transcription in skeletal muscle. <i>Journal of Physiology</i> , 2009 , 587, 4319-27	3.9	40
221	Improved insulin sensitivity after exercise: focus on insulin signaling. <i>Obesity</i> , 2009 , 17 Suppl 3, S15-20	8	72
220	AMP-activated protein kinase in contraction regulation of skeletal muscle metabolism: necessary and/or sufficient?. <i>Acta Physiologica</i> , 2009 , 196, 155-74	5.6	62
219	Crucial role for LKB1 to AMPK α 2 axis in the regulation of CD36-mediated long-chain fatty acid uptake into cardiomyocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 212-9	5	77
218	NewtonQ force as countermeasure for disuse atrophy. <i>Journal of Applied Physiology</i> , 2009 , 107, 6-7	3.7	1
217	Can exercise mimetics substitute for exercise?. <i>Cell Metabolism</i> , 2008 , 8, 96-8	24.6	18

216	Effect of training in the fasted state on metabolic responses during exercise with carbohydrate intake. <i>Journal of Applied Physiology</i> , 2008 , 104, 1045-55	3.7	97
215	AMPK alpha1 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	3.7	71
214	Regulation and function of Ca ²⁺ -calmodulin-dependent protein kinase II of fast-twitch rat skeletal muscle. <i>Journal of Physiology</i> , 2007 , 580, 993-1005	3.9	23
213	Muscle metabolism during graded quadriceps exercise in man. <i>Journal of Physiology</i> , 2007 , 581, 1247-58	3.9	29
212	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, 1289-301	3.9	33
211	Effect of endurance exercise training on Ca ²⁺ calmodulin-dependent protein kinase II expression and signalling in skeletal muscle of humans. <i>Journal of Physiology</i> , 2007 , 583, 785-95	3.9	61
210	Absence of humoral mediated 5AMP-activated protein kinase activation in human skeletal muscle and adipose tissue during exercise. <i>Journal of Physiology</i> , 2007 , 585, 897-909	3.9	23
209	Evaluation of intramyocellular lipid breakdown during exercise by biochemical assay, NMR spectroscopy, and Oil Red O staining. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E428-34	6	28
208	AS160 phosphorylation is associated with activation of alpha2beta2gamma1- but not alpha2beta2gamma3-AMPK trimeric complex in skeletal muscle during exercise in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E715-22	6	97
207	Caffeine-induced Ca(2+) release increases AMPK-dependent glucose uptake in rodent soleus muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E286-92	6	104
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6	Diminished hormonal responses to exercise in trained rats. <i>Journal of Applied Physiology</i> , 1977 , 43, 953-8,7		89
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4	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise		2
3	Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)-2, but not PAK1, in mouse skeletal muscle		1
2	Mechanisms involved in follistatin-induced hypertrophy and increased insulin action in skeletal muscle		1
1	Housing temperature influences exercise training adaptations in mice		2

