

# Chad R Hancock

## List of Publications by Citations

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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.

47 papers	1,578 citations	20 h-index	39 g-index
58 ext. papers	1,736 ext. citations	3.5 avg, IF	4.17 L-index

#	Paper	IF	Citations
47	High-fat diets cause insulin resistance despite an increase in muscle mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 7815-20	11.5	400
46	A role for the transcriptional coactivator PGC-1alpha in muscle refueling. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 36642-51	5.4	202
45	Raising plasma fatty acid concentration induces increased biogenesis of mitochondria in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10709-13	11.5	185
44	Does calorie restriction induce mitochondrial biogenesis? A reevaluation. <i>FASEB Journal</i> , <b>2011</b> , 25, 785-90	9.9	103
43	Postexercise recovery of skeletal muscle malonyl-CoA, acetyl-CoA carboxylase, and AMP-activated protein kinase. <i>Journal of Applied Physiology</i> , <b>1998</b> , 85, 1629-34	3.7	58
42	PPAR $\alpha$ Is Essential for Maintaining Normal Levels of PGC-1 $\alpha$ and Mitochondria and for the Increase in Muscle Mitochondria Induced by Exercise. <i>Cell Metabolism</i> , <b>2017</b> , 25, 1176-1185.e5	24.6	53
41	Deficiency of the mitochondrial electron transport chain in muscle does not cause insulin resistance. <i>PLoS ONE</i> , <b>2011</b> , 6, e19739	3.7	48
40	Chronic AMP-activated protein kinase activation and a high-fat diet have an additive effect on mitochondria in rat skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 511-20	3.7	43
39	Contraction-mediated phosphorylation of AMPK is lower in skeletal muscle of adenylate kinase-deficient mice. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 406-13	3.7	40
38	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 1447-1455	3.7	39
37	The effects of chronic AMPK activation on hepatic triglyceride accumulation and glycerol 3-phosphate acyltransferase activity with high fat feeding. <i>Diabetology and Metabolic Syndrome</i> , <b>2013</b> , 5, 29	5.6	38
36	Skeletal muscle dysfunction in muscle-specific LKB1 knockout mice. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1775-85	3.7	37
35	Skeletal muscle contractile performance and ADP accumulation in adenylate kinase-deficient mice. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 288, C1287-97	5.4	34
34	IL-6 increases muscle insulin sensitivity only at superphysiological levels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E1842-6	6	30
33	<sup>31</sup> P-NMR observation of free ADP during fatiguing, repetitive contractions of murine skeletal muscle lacking AK1. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 288, C1298-304	5.4	30
32	Daily heat treatment maintains mitochondrial function and attenuates atrophy in human skeletal muscle subjected to immobilization. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 47-57	3.7	26
31	ECF deletion of Nr4a1 and Nr4a3 nuclear receptors impedes mitochondrial respiration and insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 311, E186-201	6	26

30	The effects of age and muscle contraction on AMPK activity and heterotrimer composition. <i>Experimental Gerontology</i> , <b>2014</b> , 55, 120-8	4.5	23
29	AMPK and PPAR $\alpha$ positive feedback loop regulates endurance exercise training-mediated GLUT4 expression in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 316, E931-E939	6	21
28	AICAR inhibits ceramide biosynthesis in skeletal muscle. <i>Diabetology and Metabolic Syndrome</i> , <b>2012</b> , 4, 45	5.6	21
27	Reductions in RIP140 are not required for exercise- and AICAR-mediated increases in skeletal muscle mitochondrial content. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 688-95	3.7	18
26	Influence of ribose on adenine salvage after intense muscle contractions. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 1775-81	3.7	15
25	Iron deficiency causes a shift in AMP-activated protein kinase (AMPK) subunit composition in rat skeletal muscle. <i>Nutrition and Metabolism</i> , <b>2012</b> , 9, 104	4.6	14
24	Is "fat-induced" muscle insulin resistance rapidly reversible?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 297, E236-41	6	13
23	Effect of LKB1 deficiency on mitochondrial content, fibre type and muscle performance in the mouse diaphragm. <i>Acta Physiologica</i> , <b>2011</b> , 201, 457-66	5.6	11
22	CXCL10 increases in human skeletal muscle following damage but is not necessary for muscle regeneration. <i>Physiological Reports</i> , <b>2018</b> , 6, e13689	2.6	8
21	Soy content of basal diets determines the effects of supplemental selenium in male mice. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 2159-65	4.1	8
20	Liver kinase B1 inhibits the expression of inflammation-related genes postcontraction in skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 876-88	3.7	8
19	Multitissue analysis of exercise and metformin on doxorubicin-induced iron dysregulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 316, E922-E930	6	7
18	A high isoflavone diet decreases 5 $\alpha$ -adenosine monophosphate-activated protein kinase activation and does not correct selenium-induced elevations in fasting blood glucose in mice. <i>Nutrition Research</i> , <b>2014</b> , 34, 308-17	4	6
17	A novel bone morphogenetic protein 2 mutant mouse, nBmp2NLS(tm), displays impaired intracellular Ca <sup>2+</sup> handling in skeletal muscle. <i>BioMed Research International</i> , <b>2013</b> , 2013, 125492	3	4
16	Preclinical characterization of the JAK/STAT inhibitor SGI-1252 on skeletal muscle function, morphology, and satellite cell content. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198611	3.7	3
15	High-resolution Respirometry to Measure Mitochondrial Function of Intact Beta Cells in the Presence of Natural Compounds. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
14	Effects of curcumin and ursolic acid on the mitochondrial coupling efficiency and hydrogen peroxide emission of intact skeletal myoblasts. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 492, 368-372	3.4	2
13	Accumulation of Skeletal Muscle T Cells and the Repeated Bout Effect in Rats. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1280-1293	1.2	2

12	Valproic acid promotes SOD2 acetylation: A potential mechanism of valproic acid-induced oxidative stress in developing systems.. <i>Free Radical Research</i> , <b>2021</b> , 1-34	4	o
11	Skeletal Muscle Mitochondrial Function after a 100-km Ultramarathon: A Case Study in Monozygotic Twins. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 2363-2373	1.2	o
10	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, S333	1.2	
9	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, S333	1.2	
8	Exercise or Metformin Modulates Doxorubicin Mediated Iron Dysregulation in Liver, Heart and Skeletal Muscle. <i>FASEB Journal</i> , <b>2018</b> , 32, lb439	0.9	
7	High Fat Fed Nr4a1 Knock Out Mouse has Significant Modulation of Mitochondrial Respiration Across Various Tissues. <i>FASEB Journal</i> , <b>2018</b> , 32, 719.1	0.9	
6	Curcumin Alters Iron Regulation in C2C12 Skeletal Muscle Cells and Prevents Iron Accumulation in a Model of Elevated Oxidative Stress. <i>FASEB Journal</i> , <b>2018</b> , 32, 618.14	0.9	
5	The Role of T Cells in Muscle Damage Protective Adaptation. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 901-901	1.2	
4	Fiber-type skeletal muscle response to dietary selenium and isoflavone supplementation in male mice. <i>FASEB Journal</i> , <b>2012</b> , 26, 1086.25	0.9	
3	Dietary isoflavones and supplemental selenium show interactive effects on blood-glucose homeostasis in male FVB mice. <i>FASEB Journal</i> , <b>2012</b> , 26, 869.14	0.9	
2	Iron deficiency causes a shift in AMP-activated protein kinase (AMPK) catalytic subunit composition in rat skeletal muscle. <i>FASEB Journal</i> , <b>2012</b> , 26, 1144.12	0.9	
1	The effect of iron deficiency on AMPK subunit isoform composition in skeletal muscle. <i>FASEB Journal</i> , <b>2013</b> , 27, 1202.22	0.9	