Chad R Hancock

List of Publications by Year in Descending Order

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	Valproic acid promotes SOD2 acetylation: A potential mechanism of valproic acid-induced oxidative stress in developing systems.. *Free Radical Research*, **2021**, 1-34	4	0
46	Skeletal Muscle Mitochondrial Function after a 100-km Ultramarathon: A Case Study in Monozygotic Twins. *Medicine and Science in Sports and Exercise*, **2021**, 53, 2363-2373	1.2	0
45	Accumulation of Skeletal Muscle T Cells and the Repeated Bout Effect in Rats. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1280-1293	1.2	2
44	Daily heat treatment maintains mitochondrial function and attenuates atrophy in human skeletal muscle subjected to immobilization. *Journal of Applied Physiology*, **2019**, 127, 47-57	3.7	26
43	Multitissue analysis of exercise and metformin on doxorubicin-induced iron dysregulation. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 316, E922-E930	6	7
42	AMPK and PPAR positive feedback loop regulates endurance exercise training-mediated GLUT4 expression in skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 316, E931-E939	6	21
41	The Role of T Cells in Muscle Damage Protective Adaptation. *Medicine and Science in Sports and Exercise*, **2019**, 51, 901-901	1.2	
40	High-resolution Respirometry to Measure Mitochondrial Function of Intact Beta Cells in the Presence of Natural Compounds. *Journal of Visualized Experiments*, **2018**,	1.6	2
39	CXCL10 increases in human skeletal muscle following damage but is not necessary for muscle regeneration. *Physiological Reports*, **2018**, 6, e13689	2.6	8
38	Preclinical characterization of the JAK/STAT inhibitor SGI-1252 on skeletal muscle function, morphology, and satellite cell content. *PLoS ONE*, **2018**, 13, e0198611	3.7	3
37	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle. *Journal of Applied Physiology*, **2018**, 125, 1447-1455	3.7	39
36	Exercise or Metformin Modulates Doxorubicin Mediated Iron Dysregulation in Liver, Heart and Skeletal Muscle. *FASEB Journal*, **2018**, 32, lb439	0.9	
35	High Fat Fed Nr4a1 Knock Out Mouse has Significant Modulation of Mitochondrial Respiration Across Various Tissues. *FASEB Journal*, **2018**, 32, 719.1	0.9	
34	Curcumin Alters Iron Regulation in C2C12 Skeletal Muscle Cells and Prevents Iron Accumulation in a Model of Elevated Oxidative Stress. *FASEB Journal*, **2018**, 32, 618.14	0.9	
33	PPAR Is Essential for Maintaining Normal Levels of PGC-1 and Mitochondria and for the Increase in Muscle Mitochondria Induced by Exercise. *Cell Metabolism*, **2017**, 25, 1176-1185.e5	24.6	53
32	Effects of curcumin and ursolic acid on the mitochondrial coupling efficiency and hydrogen peroxide emission of intact skeletal myoblasts. *Biochemical and Biophysical Research Communications*, **2017**, 492, 368-372	3.4	2
31	Cell deletion of Nr4a1 and Nr4a3 nuclear receptors impedes mitochondrial respiration and insulin secretion. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 311, E186-201	6	26

30	Liver kinase B1 inhibits the expression of inflammation-related genes postcontraction in skeletal muscle. *Journal of Applied Physiology*, **2016**, 120, 876-88	3.7	8
29	A high isoflavone diet decreases 5Radenosine monophosphate-activated protein kinase activation and does not correct selenium-induced elevations in fasting blood glucose in mice. *Nutrition Research*, **2014**, 34, 308-17	4	6
28	The effects of age and muscle contraction on AMPK activity and heterotrimer composition. *Experimental Gerontology*, **2014**, 55, 120-8	4.5	23
27	The effects of chronic AMPK activation on hepatic triglyceride accumulation and glycerol 3-phosphate acyltransferase activity with high fat feeding. *Diabetology and Metabolic Syndrome*, **2013**, 5, 29	5.6	38
26	A novel bone morphogenetic protein 2 mutant mouse, nBmp2NLS(tm), displays impaired intracellular Ca2+ handling in skeletal muscle. *BioMed Research International*, **2013**, 2013, 125492	3	4
25	The effect of iron deficiency on AMPK subunit isoform composition in skeletal muscle. *FASEB Journal*, **2013**, 27, 1202.22	0.9	
24	AICAR inhibits ceramide biosynthesis in skeletal muscle. *Diabetology and Metabolic Syndrome*, **2012**, 4, 45	5.6	21
23	Iron deficiency causes a shift in AMP-activated protein kinase (AMPK) subunit composition in rat skeletal muscle. *Nutrition and Metabolism*, **2012**, 9, 104	4.6	14
22	Fiber-type skeletal muscle response to dietary selenium and isoflavone supplementation in male mice. *FASEB Journal*, **2012**, 26, 1086.25	0.9	
21	Dietary isoflavones and supplemental selenium show interactive effects on blood-glucose homeostasis in male FVB mice. *FASEB Journal*, **2012**, 26, 869.14	0.9	
20	Iron deficiency causes a shift in AMP-activated protein kinase (AMPK) catalytic subunit composition in rat skeletal muscle. *FASEB Journal*, **2012**, 26, 1144.12	0.9	
19	Does calorie restriction induce mitochondrial biogenesis? A reevaluation. *FASEB Journal*, **2011**, 25, 785-96	0.9	103
18	Deficiency of the mitochondrial electron transport chain in muscle does not cause insulin resistance. *PLoS ONE*, **2011**, 6, e19739	3.7	48
17	Effect of LKB1 deficiency on mitochondrial content, fibre type and muscle performance in the mouse diaphragm. *Acta Physiologica*, **2011**, 201, 457-66	5.6	11
16	Reductions in RIP140 are not required for exercise- and AICAR-mediated increases in skeletal muscle mitochondrial content. *Journal of Applied Physiology*, **2011**, 111, 688-95	3.7	18
15	Soy content of basal diets determines the effects of supplemental selenium in male mice. *Journal of Nutrition*, **2011**, 141, 2159-65	4.1	8
14	Skeletal muscle dysfunction in muscle-specific LKB1 knockout mice. *Journal of Applied Physiology*, **2010**, 108, 1775-85	3.7	37
13	Chronic AMP-activated protein kinase activation and a high-fat diet have an additive effect on mitochondria in rat skeletal muscle. *Journal of Applied Physiology*, **2010**, 109, 511-20	3.7	43

12	Is "fat-induced" muscle insulin resistance rapidly reversible?. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E236-41	6	13
11	High-fat diets cause insulin resistance despite an increase in muscle mitochondria. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 7815-20	11.5	400
10	IL-6 increases muscle insulin sensitivity only at superphysiological levels. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E1842-6	6	30
9	A role for the transcriptional coactivator PGC-1alpha in muscle refueling. *Journal of Biological Chemistry*, **2007**, 282, 36642-51	5.4	202
8	Raising plasma fatty acid concentration induces increased biogenesis of mitochondria in skeletal muscle. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10709-13	11.5	185
7	Contraction-mediated phosphorylation of AMPK is lower in skeletal muscle of adenylate kinase-deficient mice. *Journal of Applied Physiology*, **2006**, 100, 406-13	3.7	40
6	31P-NMR observation of free ADP during fatiguing, repetitive contractions of murine skeletal muscle lacking AK1. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C1298-304	5.4	30
5	Skeletal muscle contractile performance and ADP accumulation in adenylate kinase-deficient mice. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C1287-97	5.4	34
4	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. *Medicine and Science in Sports and Exercise*, **2004**, 36, S333	1.2	
3	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. *Medicine and Science in Sports and Exercise*, **2004**, 36, S333	1.2	
2	Influence of ribose on adenine salvage after intense muscle contractions. *Journal of Applied Physiology*, **2001**, 91, 1775-81	3.7	15
1	Postexercise recovery of skeletal muscle malonyl-CoA, acetyl-CoA carboxylase, and AMP-activated protein kinase. *Journal of Applied Physiology*, **1998**, 85, 1629-34	3.7	58