Chad R Hancock

List of Publications by Year
in descending order

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58 papers	1,878 citations	361413 20 h-index	315739 38 g-index
58 all docs	58 docs citations	58 times ranked	2826 citing authors

#	Article	IF	Citations
1	The Effect of Leucine and Doxorubicin Treatment on Skeletal Muscle Mitochondrial Function. FASEB Journal, 2022, 36, .	0.5	0
2	The Effect of Damaging Electric Muscle Contraction on Mitochondrial Health and Function. FASEB Journal, 2022, 36, .	0.5	0
3	Effects of a novel AMPâ€mimicking prodrug on AMPK and mTORC1 activity in C2C12 cells. FASEB Journal, 2022, 36, .	0.5	0
4	Localized Heat Therapy Improves Mitochondrial Respiratory Capacity but Not Fat Oxidation in Human Skeletal Muscle. FASEB Journal, 2022, 36, .	0.5	0
5	In Vivo Effects of AICAR and Prodrug 39 (P39) on Anabolic Pathways Following Refeeding in Skeletal Muscle. FASEB Journal, 2022, 36, .	0.5	0
6	Curcumin Attenuates Ironâ€Dysregulation in Human Hepatocytes Exposed to Oxidative Stress. FASEB Journal, 2021, 35, .	0.5	0
7	Investigation of Skeletal Muscle Mitochondrial Function Following an Ultramarathon: A Case Study in Monozygotic Twins. FASEB Journal, 2021, 35, .	0.5	0
8	Skeletal Muscle Mitochondrial Function following a 100-km Ultramarathon. Medicine and Science in Sports and Exercise, 2021, Publish Ahead of Print, 2363-2373.	0.4	1
9	Exercise, but Not Metformin Prevents Loss of Muscle Function Due to Doxorubicin in Mice Using an In Situ Method. International Journal of Molecular Sciences, 2021, 22, 9163.	4.1	2
10	Valproic acid promotes SOD2 acetylation: a potential mechanism of valproic acid-induced oxidative stress in developing systems. Free Radical Research, 2021, 55, 1130-1144.	3.3	7
11	Accumulation of Skeletal Muscle T Cells and the Repeated Bout Effect in Rats. Medicine and Science in Sports and Exercise, 2020, 52, 1280-1293.	0.4	2
12	Daily heat treatment maintains mitochondrial function and attenuates atrophy in human skeletal muscle subjected to immobilization. Journal of Applied Physiology, 2019, 127, 47-57.	2.5	51
13	Multitissue analysis of exercise and metformin on doxorubicin-induced iron dysregulation. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E922-E930.	3.5	11
14	AMPK and PPARÎ² positive feedback loop regulates endurance exercise training-mediated GLUT4 expression in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E931-E939.	3.5	27
15	The Role of T Cells in Muscle Damage Protective Adaptation. Medicine and Science in Sports and Exercise, 2019, 51, 901-901.	0.4	0
16	High-resolution Respirometry to Measure Mitochondrial Function of Intact Beta Cells in the Presence of Natural Compounds. Journal of Visualized Experiments, 2018, , .	0.3	4
17	CXCL10 increases in human skeletal muscle following damage but is not necessary for muscle regeneration. Physiological Reports, 2018, 6, e13689.	1.7	11
18	Preclinical characterization of the JAK/STAT inhibitor SGI-1252 on skeletal muscle function, morphology, and satellite cell content. PLoS ONE, 2018, 13, e0198611.	2.5	7

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19	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle. Journal of Applied Physiology, 2018, 125, 1447-1455.	2.5	71
20	Hydrogen Peroxide Causes Iron Dysregulation in C₂C₁₂ Skeletal Muscle Cells. FASEB Journal, 2018, 32, .	0.5	0
21	Exercise or Metformin Modulates Doxorubicin Mediated Iron Dysregulation in Liver, Heart and Skeletal Muscle. FASEB Journal, 2018, 32, lb439.	0.5	0
22	High Fat Fed Nr4a1 Knock Out Mouse has Significant Modulation of Mitochondrial Respiration Across Various Tissues. FASEB Journal, 2018, 32, 719.1.	0.5	0
23	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.	0.5	0
24	PPARÎ² Is Essential for Maintaining Normal Levels of PGC-1Î± and Mitochondria and for the Increase in Muscle Mitochondria Induced by Exercise. Cell Metabolism, 2017, 25, 1176-1185.e5.	16.2	69
25	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.	2.1	3
26	Deep Tissue Heating Increases Mitochondrial Respiratory Capacity of Human Skeletal Muscle. Medicine and Science in Sports and Exercise, 2017, 49, 456.	0.4	0
27	Liver kinase B1 inhibits the expression of inflammation-related genes postcontraction in skeletal muscle. Journal of Applied Physiology, 2016, 120, 876-888.	2.5	10
28	Î²-Cell deletion of Nr4a1 and Nr4a3 nuclear receptors impedes mitochondrial respiration and insulin secretion. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E186-E201.	3.5	37
29	The effects of age and muscle contraction on AMPK activity and heterotrimer composition. Experimental Gerontology, 2014, 55, 120-128.	2.8	32
30	A high isoflavone diet decreases 5â€² adenosine monophosphateâ€"activated protein kinase activation and does not correct selenium-induced elevations in fasting blood glucose in mice. Nutrition Research, 2014, 34, 308-317.	2.9	7
31	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.	2.7	42
32	A Novel Bone Morphogenetic Protein 2 Mutant Mouse, , Displays Impaired Intracellular Handling in Skeletal Muscle. BioMed Research International, 2013, 2013, 1-11.	1.9	4
33	The effect of iron deficiency on AMPK subunit isoform composition in skeletal muscle. FASEB Journal, 2013, 27, 1202.22.	0.5	0
34	AICAR inhibits ceramide biosynthesis in skeletal muscle. Diabetology and Metabolic Syndrome, 2012, 4, 45.	2.7	25
35	Iron deficiency causes a shift in AMP-activated protein kinase (AMPK) subunit composition in rat skeletal muscle. Nutrition and Metabolism, 2012, 9, 104.	3.0	18
36	Fiberâ€type skeletal muscle response to dietary selenium and isoflavone supplementation in male mice. FASEB Journal, 2012, 26, 1086.25.	0.5	0

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37	Dietary isoflavones and supplemental selenium show interactive effects on bloodâ€glucose homeostasis in male FVB mice. FASEB Journal, 2012, 26, 869.14.	0.5	0
38	Iron deficiency causes a shift in AMPâ€activated protein kinase (AMPK) catalytic subunit composition in rat skeletal muscle. FASEB Journal, 2012, 26, 1144.12.	0.5	0
39	Does calorie restriction induce mitochondrial biogenesis? A reevaluation. FASEB Journal, 2011, 25, 785-791.	0.5	118
40	Deficiency of the Mitochondrial Electron Transport Chain in Muscle Does Not Cause Insulin Resistance. PLoS ONE, 2011, 6, e19739.	2.5	54
41	Effect of LKB1 deficiency on mitochondrial content, fibre type and muscle performance in the mouse diaphragm. Acta Physiologica, 2011, 201, 457-466.	3.8	11
42	Reductions in RIP140 are not required for exercise- and AICAR-mediated increases in skeletal muscle mitochondrial content. Journal of Applied Physiology, 2011, 111, 688-695.	2.5	18
43	Soy Content of Basal Diets Determines the Effects of Supplemental Selenium in Male Mice. Journal of Nutrition, 2011, 141, 2159-2165.	2.9	9
44	Skeletal muscle dysfunction in muscle-specific LKB1 knockout mice. Journal of Applied Physiology, 2010, 108, 1775-1785.	2.5	37
45	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, 511-520.	2.5	44
46	Is â€œfat-inducedâ€• muscle insulin resistance rapidly reversible?. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E236-E241.	3.5	13
47	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, 7815-7820.	7.1	466
48	IL-6 increases muscle insulin sensitivity only at superphysiological levels. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1842-E1846.	3.5	31
49	A Role for the Transcriptional Coactivator PGC-1Î± in Muscle Refueling. Journal of Biological Chemistry, 2007, 282, 36642-36651.	3.4	229
50	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, 10709-10713.	7.1	208
51	Contraction-mediated phosphorylation of AMPK is lower in skeletal muscle of adenylate kinase-deficient mice. Journal of Applied Physiology, 2006, 100, 406-413.	2.5	45
52	Skeletal Muscle Insulin Resistance in Rats Fed a High Fat Diet and Treated with Acipimox. Medicine and Science in Sports and Exercise, 2006, 38, S44.	0.4	0
53	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-C1304.	4.6	34
54	Skeletal muscle contractile performance and ADP accumulation in adenylate kinase-deficient mice. American Journal of Physiology - Cell Physiology, 2005, 288, C1287-C1297.	4.6	40

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55	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. Medicine and Science in Sports and Exercise, 2004, 36, S333.	0.4	0
56	Metabolic Consequences in Adenine Nucleotides Caused by Adenylate Kinase (AK1-/-) Deficiency During Contractions. Medicine and Science in Sports and Exercise, 2004, 36, S333.	0.4	0
57	Influence of ribose on adenine salvage after intense muscle contractions. Journal of Applied Physiology, 2001, 91, 1775-1781.	2.5	17
58	Postexercise recovery of skeletal muscle malonyl-CoA, acetyl-CoA carboxylase, and AMP-activated protein kinase. Journal of Applied Physiology, 1998, 85, 1629-1634.	2.5	63