Justin D Crane

List of Publications by Year
in descending order

33 papers	2,896 citations	331670 21 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	5358 citing authors

#	Article	IF	Citations
1	Acute, Exercise-Induced Alterations in Cytokines and Chemokines in the Blood Distinguish Physically Active and Sedentary Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 811-818.	3.6	13
2	Resveratrol and Curcumin AttenuateEx VivoSugar-Induced Cartilage Glycation, Stiffening, Senescence, and Degeneration. Cartilage, 2021, 13, 1214S-1228S.	2.7	18
3	AMPK Inhibits mTOR-Driven Keratinocyte Proliferation after Skin Damage and Stress. Journal of Investigative Dermatology, 2021, 141, 2170-2177.e3.	0.7	12
4	Genetic deletion of mast cell serotonin synthesis prevents the development of obesity and insulin resistance. Nature Communications, 2020, 11, 463.	12.8	35
5	Spiny mice (Acomys) exhibit attenuated hallmarks of aging and rapid cell turnover after UV exposure in the skin epidermis. PLoS ONE, 2020, 15, e0241617.	2.5	5
6	Emerging Roles for Serotonin in Regulating Metabolism: New Implications for an Ancient Molecule. Endocrine Reviews, 2019, 40, 1092-1107.	20.1	213
7	The exercise cytokine interleukin-15 rescues slow wound healing in aged mice. Journal of Biological Chemistry, 2019, 294, 20024-20038.	3.4	16
8	FGF21 does not require adipocyte AMP-activated protein kinase (AMPK) or the phosphorylation of acetyl-CoA carboxylase (ACC) to mediate improvements in whole-body glucose homeostasis. Molecular Metabolism, 2017, 6, 471-481.	6.5	40
9	Optimizing the methodology for measuring supraclavicular skin temperature using infrared thermography; implications for measuring brown adipose tissue activity in humans. Scientific Reports, 2017, 7, 11934.	3.3	19
10	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. Cell Metabolism, 2016, 24, 118-129.	16.2	259
11	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK-Î²1. Diabetes, 2016, 65, 3352-3361.	0.6	57
12	ELBW survivors in early adulthood have higher hepatic, pancreatic and subcutaneous fat. Scientific Reports, 2016, 6, 31560.	3.3	22
13	AMPK Activation of Muscle Autophagy Prevents Fasting-Induced Hypoglycemia and Myopathy during Aging. Cell Metabolism, 2015, 21, 883-890.	16.2	190
14	Exerciseâ€stimulated interleukinâ€15 is controlled by<scp>AMPK</scp>and regulates skin metabolism and aging. Aging Cell, 2015, 14, 625-634.	6.7	123
15	Effects of age and unaccustomed resistance exercise on mitochondrial transcript and protein abundance in skeletal muscle of men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R734-R741.	1.8	36
16	Skeletal muscle AMPK is essential for the maintenance of FNDC5 expression. Physiological Reports, 2015, 3, e12343.	1.7	11
17	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. Biochemical Journal, 2015, 468, 125-132.	3.7	132
18	Inhibiting peripheral serotonin synthesis reduces obesity and metabolic dysfunction by promoting brown adipose tissue thermogenesis. Nature Medicine, 2015, 21, 166-172.	30.7	376

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19	Defects in mitochondrial DNA replication and oxidative damage in muscle of mtDNA mutator mice. Free Radical Biology and Medicine, 2014, 75, 241-251.	2.9	53
20	The unfolded protein response is triggered following a single, unaccustomed resistance-exercise bout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R664-R669.	1.8	57
21	Fluvastatin Causes NLRP3 Inflammasome-Mediated Adipose Insulin Resistance. Diabetes, 2014, 63, 3742-3747.	0.6	116
22	A standardized infrared imaging technique that specifically detects UCP1-mediated thermogenesis inÂvivo. Molecular Metabolism, 2014, 3, 490-494.	6.5	82
23	Long-term Aerobic Exercise Is Associated With Greater Muscle Strength Throughout the Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 631-638.	3.6	65
24	Amino Acid Infusion Alters the Expression of Growth-Related Genes in Multiple Skeletal Muscles. Aviation, Space, and Environmental Medicine, 2013, 84, 669-674.	0.5	3
25	Elevated Mitochondrial Oxidative Stress Impairs Metabolic Adaptations to Exercise in Skeletal Muscle. PLoS ONE, 2013, 8, e81879.	2.5	21
26	Supplementation with Î±-Lipoic Acid, CoQ10, and Vitamin E Augments Running Performance and Mitochondrial Function in Female Mice. PLoS ONE, 2013, 8, e60722.	2.5	33
27	Effects of Creatine and Exercise on Skeletal Muscle of FRG1-Transgenic Mice. Canadian Journal of Neurological Sciences, 2012, 39, 225-231.	0.5	7
28	Massage Therapy Attenuates Inflammatory Signaling After Exercise-Induced Muscle Damage. Science Translational Medicine, 2012, 4, 119ra13.	12.4	223
29	Age Does Not Influence Mitochondrial-Related Transcript Expression Following A Resistance-Training Bout. Medicine and Science in Sports and Exercise, 2011, 43, 71-72.	0.4	1
30	Influence of tracer selection on protein synthesis rates at rest and postexercise in multiple human muscles. Metabolism: Clinical and Experimental, 2011, 60, 689-697.	3.4	6
31	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
32	The Effect of Aging on Human Skeletal Muscle Mitochondrial and Intramyocellular Lipid Ultrastructure. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 119-128.	3.6	207
33	Protein synthesis and the expression of growth-related genes are altered by running in human vastus lateralis and soleus muscles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R708-R714.	1.8	88