Roger A Vaughan

List of Publications by Year
in descending order

26 papers	780 citations	516710 16 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1431 citing authors

#	Article	IF	Citations
1	Branchedâ€chain amino acids at supraphysiological but not physiological levels reduce myotube insulin sensitivity. Diabetes/Metabolism Research and Reviews, 2022, 38, e3490.	4.0	7
2	AICAR stimulates mitochondrial biogenesis and BCAA catabolic enzyme expression in C2C12 myotubes. Biochimie, 2022, 195, 77-85.	2.6	7
3	Excess glutamine does not alter myotube metabolism or insulin sensitivity. Amino Acids, 2022, , .	2.7	0
4	Excess branched-chain amino acids alter myotube metabolism and substrate preference which is worsened by concurrent insulin resistance. Endocrine, 2022, 76, 18-28.	2.3	5
5	Comparing the effects of palmitate, insulin, and palmitateâ€insulin coâ€treatment on myotube metabolism and insulin resistance. Lipids, 2021, 56, 563-578.	1.7	1
6	Effect of metformin on myotube BCAA catabolism. Journal of Cellular Biochemistry, 2020, 121, 816-827.	2.6	22
7	Leucine increases mitochondrial metabolism and lipid content without altering insulin signaling in myotubes. Biochimie, 2020, 168, 124-133.	2.6	24
8	Effect of valine on myotube insulin sensitivity and metabolism with and without insulin resistance. Molecular and Cellular Biochemistry, 2020, 468, 169-183.	3.1	17
9	Uncarboxylated osteocalcin decreases insulin-stimulated glucose uptake without affecting insulin signaling and regulators of mitochondrial biogenesis in myotubes. Journal of Physiology and Biochemistry, 2020, 76, 169-178.	3.0	3
10	Actions of chronic physiological 3-hydroxyisobuterate treatment on mitochondrial metabolism and insulin signaling in myotubes. Nutrition Research, 2019, 66, 22-31.	2.9	17
11	Heat acclimation increases mitochondrial respiration capacity of C2C12 myotubes and protects against LPS-mediated energy deficit. Cell Stress and Chaperones, 2018, 23, 871-883.	2.9	12
12	BCAA Metabolism and Insulin Sensitivity â€“ Dysregulated by Metabolic Status?. Molecular Nutrition and Food Research, 2018, 62, e1700756.	3.3	112
13	Metabolic effects of physiological levels of caffeine in myotubes. Journal of Physiology and Biochemistry, 2018, 74, 35-45.	3.0	23
14	Leucine, Palmitate, or Leucine/Palmitate Cotreatment Enhances Myotube Lipid Content and Oxidative Preference. Lipids, 2018, 53, 1043-1057.	1.7	10
15	Effect of Branched-Chain Amino Acid Supplementation on Recovery Following Acute Eccentric Exercise. Nutrients, 2018, 10, 1389.	4.1	47
16	Acute Î²â€Hydroxyâ€Îµâ€Methyl Butyrate Suppresses Regulators of Mitochondrial Biogenesis and Lipid Oxidation While Increasing Lipid Content in Myotubes. Lipids, 2016, 51, 1127-1136.	1.7	8
17	Leucine stimulates PPARÎ²/Î´-dependent mitochondrial biogenesis and oxidative metabolism with enhanced GLUT4 content and glucose uptake in myotubes. Biochimie, 2016, 128-129, 1-7.	2.6	39
18	Leucine-induced anabolic-catabolism: two sides of the same coin. Amino Acids, 2016, 48, 321-336.	2.7	23

#	Article	IF	Citations
19	Dietary stimulators of GLUT4 expression and translocation in skeletal muscle: A miniâ€review. Molecular Nutrition and Food Research, 2015, 59, 48-64.	3.3	38
20	Irisin, a unique non-inflammatory myokine in stimulating skeletal muscle metabolism. Journal of Physiology and Biochemistry, 2015, 71, 679-689.	3.0	57
21	trans-Cinnamaldehyde stimulates mitochondrial biogenesis through PGC-1Î± and PPARÎ²/Î´ leading to enhanced GLUT4 expression. Biochimie, 2015, 119, 45-51.	2.6	21
22	Effects of the exerciseâ€inducible myokine irisin on malignant and nonâ€malignant breast epithelial cell behavior in vitro. International Journal of Cancer, 2015, 136, E197-202.	5.1	139
23	Dietary stimulators of the PGC-1 superfamily and mitochondrial biosynthesis in skeletal muscle. A mini-review. Journal of Physiology and Biochemistry, 2014, 70, 271-284.	3.0	22
24	Leucine treatment enhances oxidative capacity through complete carbohydrate oxidation and increased mitochondrial density in skeletal muscle cells. Amino Acids, 2013, 45, 901-911.	2.7	52
25	Ubiquinol rescues simvastatin-suppression of mitochondrial content, function and metabolism: Implications for statin-induced rhabdomyolysis. European Journal of Pharmacology, 2013, 711, 1-9.	3.5	45
26	Effects of Caffeine on Metabolism and Mitochondria Biogenesis in Rhabdomyosarcoma Cells Compared with 2,4-Dinitrophenol. Nutrition and Metabolic Insights, 2012, 5, NMI.S10233.	1.9	29