Glenn D Wadley

List of Publications by Year
in descending order

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Version: 2024-02-01

76 papers	2,919 citations	182225 30 h-index	198040 52 g-index
78 all docs	78 docs citations	78 times ranked	4568 citing authors

#	Article	IF	Citations
1	Impaired postprandial skeletal muscle vascular responses to a mixed meal challenge in normoglycaemic people with a parent with type 2 diabetes. Diabetologia, 2022, 65, 216-225.	2.9	7
2	Oral and intravenous glucose administration elicit opposing microvascular blood flow responses in skeletal muscle of healthy people: role of incretins. Journal of Physiology, 2022, 600, 1667-1681.	1.3	9
3	Effect of mitochondrialâ€targeted antioxidants on glycaemic control, cardiovascular health, and oxidative stress in humans: A systematic review and metaâ€analysis of randomized controlled trials. Diabetes, Obesity and Metabolism, 2022, 24, 1047-1060.	2.2	11
4	Skeletal muscle cell-specific differences in type 2 diabetes. Cellular and Molecular Life Sciences, 2022, 79, 256.	2.4	6
5	Is vascular insulin resistance an early step in diet-induced whole-body insulin resistance?. Nutrition and Diabetes, 2022, 12, .	1.5	6
6	Long non-coding RNA Tug1 modulates mitochondrial and myogenic responses to exercise in skeletal muscle. BMC Biology, 2022, 20, .	1.7	11
7	Whole-Body Vibration Stimulates Microvascular Blood Flow in Skeletal Muscle. Medicine and Science in Sports and Exercise, 2021, 53, 375-383.	0.2	8
8	Factors Influencing Blood Alkalosis and Other Physiological Responses, Gastrointestinal Symptoms, and Exercise Performance Following Sodium Citrate Supplementation: A Review. International Journal of Sport Nutrition and Exercise Metabolism, 2021, 31, 168-186.	1.0	10
9	Exercise alters cardiovascular and renal pregnancy adaptations in female rats born small on a high-fat diet. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R404-R416.	0.9	2
10	Does varying the ingestion period of sodium citrate influence blood alkalosis and gastrointestinal symptoms?. PLoS ONE, 2021, 16, e0251808.	1.1	5
11	Total testosterone is not associated with lean mass or handgrip strength in pre-menopausal females. Scientific Reports, 2021, 11, 10226.	1.6	8
12	Reactive oxygen species in exercise and insulin resistance: Working towards personalized antioxidant treatment. Redox Biology, 2021, 44, 102005.	3.9	30
13	Effects of Vitamin C Supplementation on Glycemic Control and Cardiovascular Risk Factors in People With Type 2 Diabetes: A GRADE-Assessed Systematic Review and Meta-analysis of Randomized Controlled Trials. Diabetes Care, 2021, 44, 618-630.	4.3	66
14	Prior exercise enhances skeletal muscle microvascular blood flow and mitigates microvascular flow impairments induced by a highâ€glucose mixed meal in healthy young men. Journal of Physiology, 2021, 599, 83-102.	1.3	9
15	Exercise improves metabolic function and alters the microbiome in rats with gestational diabetes. FASEB Journal, 2020, 34, 1728-1744.	0.2	19
16	Extracellular vesicular miRNA expression is not a proxy for skeletal muscle miRNA expression in males and females following acute, moderate intensity exercise. Physiological Reports, 2020, 8, e14520.	0.7	19
17	Skeletal muscle AMPK is not activated during 2Âh of moderate intensity exercise at âˆ¼65% in endurance trained men. Journal of Physiology, 2020, 598, 3859-3870.	1.3	22
18	Antioxidant supplements and endurance exercise: Current evidence and mechanistic insights. Redox Biology, 2020, 35, 101471.	3.9	103

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19	High-glucose mixed-nutrient meal ingestion impairs skeletal muscle microvascular blood flow in healthy young men. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E1014-E1021.	1.8	12
20	Sodium citrate ingestion protocol impacts induced alkalosis, gastrointestinal symptoms, and palatability. Physiological Reports, 2019, 7, e14216.	0.7	9
21	Modest changes to glycemic regulation are sufficient to maintain glucose fluxes in healthy young men following overfeeding with a habitual macronutrient composition. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E1061-E1070.	1.8	6
22	Noncoding RNAs regulating cardiac muscle mass. Journal of Applied Physiology, 2019, 127, 633-644.	1.2	10
23	Ascorbic acid supplementation improves postprandial glycaemic control and blood pressure in individuals with type 2 diabetes: Findings of a randomized crossâ€over trial. Diabetes, Obesity and Metabolism, 2019, 21, 674-682.	2.2	55
24	Effects of breaking up sitting on adolescentsâ€™ postprandial glucose after consuming meals varying in energy: a cross-over randomised trial. Journal of Science and Medicine in Sport, 2018, 21, 280-285.	0.6	35
25	Sustained cardiac programming by shortâ€term juvenile exercise training in male rats. Journal of Physiology, 2018, 596, 163-180.	1.3	20
26	Fetal growth restriction shortens cardiac telomere length, but this is attenuated by exercise in early life. Physiological Genomics, 2018, 50, 956-963.	1.0	4
27	Measurement of postprandial glucose fluxes in response to acute and chronic endurance exercise in healthy humans. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E503-E511.	1.8	19
28	Mitochondrial regulation in skeletal muscle: A role for nonâ€coding RNAs?. Experimental Physiology, 2018, 103, 1132-1144.	0.9	10
29	Endurance training in early life results in long-term programming of heart mass in rats. Physiological Reports, 2016, 4, e12720.	0.7	16
30	Maternal obesity in females born small: Pregnancy complications and offspring disease risk. Molecular Nutrition and Food Research, 2016, 60, 8-17.	1.5	18
31	Ascorbic acid supplementation improves skeletal muscle oxidative stress and insulin sensitivity in people with type 2 diabetes: Findings of a randomized controlled study. Free Radical Biology and Medicine, 2016, 93, 227-238.	1.3	66
32	Muscle redox signalling pathways in exercise. Role of antioxidants. Free Radical Biology and Medicine, 2016, 98, 29-45.	1.3	71
33	Uteroplacental insufficiency leads to hypertension, but not glucose intolerance or impaired skeletal muscle mitochondrial biogenesis, in 12-month-old rats. Physiological Reports, 2015, 3, e12556.	0.7	12
34	Modulating exercise-induced hormesis: Does less equal more?. Journal of Applied Physiology, 2015, 119, 172-189.	1.2	62
35	Vitamin C and E supplementation prevents some of the cellular adaptations to endurance-training in humans. Free Radical Biology and Medicine, 2015, 89, 852-862.	1.3	122
36	Growth restriction in the rat alters expression of cardiac JAK/STAT genes in a sex-specific manner. Journal of Developmental Origins of Health and Disease, 2014, 5, 314-321.	0.7	9

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37	Altering the redox state of skeletal muscle by glutathione depletion increases the exercise-activation of PGC-1Î±. Physiological Reports, 2014, 2, e12224.	0.7	13
38	Skeletal muscle reactive oxygen species: A target of good cop/bad cop for exercise and disease. Redox Report, 2014, 19, 97-106.	1.4	46
39	Growing healthy muscles to optimise metabolic health into adult life. Journal of Developmental Origins of Health and Disease, 2014, 5, 420-434.	0.7	28
40	Skeletal muscle mitochondria: A major player in exercise, health and disease. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1276-1284.	1.1	184
41	Exercise as an intervention to improve metabolic outcomes after intrauterine growth restriction. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E999-E1012.	1.8	18
42	High-dose vitamin C supplementation increases skeletal muscle vitamin C concentration and SVCT2 transporter expression but does not alter redox status in healthy males. Free Radical Biology and Medicine, 2014, 77, 130-138.	1.3	20
43	Regulation of miRNAs in human skeletal muscle following acute endurance exercise and shortâ€term endurance training. Journal of Physiology, 2013, 591, 4637-4653.	1.3	207
44	Disruption of skeletal muscle mitochondrial network genes and miRNAs in amyotrophic lateral sclerosis. Neurobiology of Disease, 2013, 49, 107-117.	2.1	194
45	Xanthine oxidase inhibition attenuates skeletal muscle signaling following acute exercise but does not impair mitochondrial adaptations to endurance training. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E853-E862.	1.8	54
46	Growth restriction in the rat alters expression of metabolic genes during postnatal cardiac development in a sex-specific manner. Physiological Genomics, 2013, 45, 99-105.	1.0	23
47	A role for reactive oxygen species in the regulation of skeletal muscle hypertrophy. Acta Physiologica, 2013, 208, 9-10.	1.8	7
48	Exercise early in life in rats born small does not normalize reductions in skeletal muscle PGC-1Î± in adulthood. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1221-E1230.	1.8	20
49	Skeletal muscle nitric oxide signaling and exercise: a focus on glucose metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E301-E307.	1.8	66
50	Stage of perinatal development regulates skeletal muscle mitochondrial biogenesis and myogenic regulatory factor genes with little impact of growth restriction or cross-fostering. Journal of Developmental Origins of Health and Disease, 2012, 3, 39-51.	0.7	5
51	Effect of Pregnancy for Females Born Small on Later Life Metabolic Disease Risk. PLoS ONE, 2012, 7, e45188.	1.1	15
52	Short-Term Intensified Cycle Training Alters Acute and Chronic Responses of PGC1Î± and Cytochrome C Oxidase IV to Exercise in Human Skeletal Muscle. PLoS ONE, 2012, 7, e53080.	1.1	56
53	Short-term exercise training early in life restores deficits in pancreatic Î²-cell mass associated with growth restriction in adult male rats. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E931-E940.	1.8	48
54	Antioxidant Supplementation Reduces Skeletal Muscle Mitochondrial Biogenesis. Medicine and Science in Sports and Exercise, 2011, 43, 1017-1024.	0.2	166

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55	Effect of l-Arginine Infusion on Glucose Disposal during Exercise in Humans. Medicine and Science in Sports and Exercise, 2011, 43, 1626-1634.	0.2	22
56	Central infusion of leptin does not increase AMPK signaling in skeletal muscle of sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R511-R518.	0.9	12
57	Growth restriction before and after birth increases kinase signaling pathways in the adult rat heart. Journal of Developmental Origins of Health and Disease, 2010, 1, 376-385.	0.7	5
58	Nâ€Acetylcysteine infusion does not affect glucose disposal during prolonged moderateâ€intensity exercise in humans. Journal of Physiology, 2010, 588, 1623-1634.	1.3	36
59	Central role of nitric oxide synthase in AICAR and caffeine-induced mitochondrial biogenesis in L6 myocytes. Journal of Applied Physiology, 2010, 108, 589-595.	1.2	68
60	High-dose antioxidant vitamin C supplementation does not prevent acute exercise-induced increases in markers of skeletal muscle mitochondrial biogenesis in rats. Journal of Applied Physiology, 2010, 108, 1719-1726.	1.2	41
61	Reply from G. D. Wadley, J. Choate and G. K. McConell. Journal of Physiology, 2008, 586, 915-916.	1.3	2
62	POTENTIAL ROLE OF NITRIC OXIDE IN CONTRACTIONâ€STIMULATED GLUCOSE UPTAKE AND MITOCHONDRIAL BIOGENESIS IN SKELETAL MUSCLE. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 1488-1492.	0.9	29
63	Uteroplacental insufficiency and reducing litter size alters skeletal muscle mitochondrial biogenesis in a sex-specific manner in the adult rat. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E861-E869.	1.8	46
64	Differential attenuation of AMPK activation during acute exercise following exercise training or AICAR treatment. Journal of Applied Physiology, 2008, 105, 1422-1427.	1.2	20
65	Local Nitric Oxide Synthase Inhibition Reduces Skeletal Muscle Glucose Uptake but Not Capillary Blood Flow During In Situ Muscle Contraction in Rats. Diabetes, 2007, 56, 2885-2892.	0.3	64
66	Effect of nitric oxide synthase inhibition on mitochondrial biogenesis in rat skeletal muscle. Journal of Applied Physiology, 2007, 102, 314-320.	1.2	60
67	Increased insulin-stimulated Akt pSer473 and cytosolic SHP2 protein abundance in human skeletal muscle following acute exercise and short-term training. Journal of Applied Physiology, 2007, 102, 1624-1631.	1.2	24
68	NOS isoformâ€specific regulation of basal but not exerciseâ€induced mitochondrial biogenesis in mouse skeletal muscle. Journal of Physiology, 2007, 585, 253-262.	1.3	57
69	Effect of exercise intensity and hypoxia on skeletal muscle AMPK signaling and substrate metabolism in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E694-E702.	1.8	78
70	l-Arginine infusion increases glucose clearance during prolonged exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E60-E66.	1.8	48
71	Carbohydrate ingestion does not alter skeletal muscle AMPK signaling during exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E566-E573.	1.8	32
72	The effect of insulin and exercise on c-Cbl protein abundance and phosphorylation in insulin-resistant skeletal muscle in lean and obese Zucker rats. Diabetologia, 2004, 47, 412-419.	2.9	12

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73	Slow component of V̀‡O2 kinetics: the effect of training status, fibre type, UCP3 mRNA and citrate synthase activity. International Journal of Obesity, 2002, 26, 157-164.	1.6	41
74	Differential effects of exercise on insulin-signaling gene expression in human skeletal muscle. Journal of Applied Physiology, 2001, 90, 436-440.	1.2	47
75	The relationship between repeated sprint ability and the aerobic and anaerobic energy systems. Journal of Science and Medicine in Sport, 1998, 1, 100-110.	0.6	98
76	Impaired postprandial adipose tissue microvascular blood flow responses to a mixed-nutrient meal in first-degree relatives of adults with type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 0, , .	1.8	0