Timothy P Gavin

List of Publications by Year
in descending order

38 papers	1,571 citations	489802 18 h-index	406436 35 g-index
39 all docs	39 docs citations	39 times ranked	2539 citing authors

#	Article	IF	Citations
1	Obesity and exercise training alter inflammatory pathway skeletal muscle small extracellular vesicle microRNAs. Experimental Physiology, 2022, 107, 462-475.	0.9	9
2	Effects of obesity and acute resistance exercise on skeletal muscle angiogenic communication pathways. Experimental Physiology, 2022, 107, 906-918.	0.9	3
3	Effects of home-based leg heat therapy on walking performance in patients with symptomatic peripheral artery disease: a pilot randomized trial. Journal of Applied Physiology, 2022, 133, 546-560.	1.2	1
4	Skeletal Muscle Extracellular Vesicles Regulate Endothelial Cells in a Fiber Type Dependent Manner. FASEB Journal, 2021, 35, .	0.2	0
5	Effect of PGC1â€Î± Overexpression on Cardiotoxinâ€Induced Damage and Repair of Human Myotubes. FASEB Journal, 2021, 35, .	0.2	0
6	Neither Peristaltic Pulse Dynamic Compressions nor Heat Therapy Accelerate Glycogen Resynthesis following Intermittent Running. Medicine and Science in Sports and Exercise, 2021, Publish Ahead of Print, 2425-2435.	0.2	2
7	Extracellular vesicles released from stressâ€induced prematurely senescent myoblasts impair endothelial function and proliferation. Experimental Physiology, 2021, 106, 2083-2095.	0.9	12
8	Multivesicular body and exosome pathway responses to acute exercise. Experimental Physiology, 2020, 105, 511-521.	0.9	30
9	Skeletal muscle IGF-1 is lower at rest and after resistance exercise in humans with obesity. European Journal of Applied Physiology, 2020, 120, 2835-2846.	1.2	11
10	Massage during muscle unloading increases protein turnover in the massaged and nonâ€massaged, contralateral limb, but does not attenuate muscle atrophy. Acta Physiologica, 2020, 229, e13497.	1.8	1
11	Effects of repeated local heat therapy on skeletal muscle structure and function in humans. Journal of Applied Physiology, 2020, 128, 483-492.	1.2	43
12	Skeletal muscle adaptations to heat therapy. Journal of Applied Physiology, 2020, 128, 1635-1642.	1.2	24
13	Factors secreted from high glucose treated endothelial cells impair expansion and differentiation of human skeletal muscle satellite cells. Journal of Physiology, 2019, 597, 5109-5124.	1.3	18
14	Nanosecond pulsed electric field induced proliferation and differentiation of osteoblasts and myoblasts. Journal of the Royal Society Interface, 2019, 16, 20190079.	1.5	21
15	Skeletal muscleâ€derived exosomes regulate endothelial cell functions via reactive oxygen speciesâ€activated nuclear factorâ€ÎºB signalling. Experimental Physiology, 2019, 104, 1262-1273.	0.9	57
16	Effects of acute aerobic and concurrent exercise on skeletal muscle metabolic enzymes in untrained men. Sport Sciences for Health, 2019, 15, 417-426.	0.4	1
17	Impact of heat therapy on recovery after eccentric exercise in humans. Journal of Applied Physiology, 2019, 126, 965-976.	1.2	18
18	A requirement of Polo-like kinase 1 in murine embryonic myogenesis and adult muscle regeneration. ELife, 2019, 8, .	2.8	12

#	Article	IF	Citations
19	Impact of repeated local heat stress on skeletal muscle structure and function in humans. FASEB Journal, 2019, 33, 838.12.	0.2	0
20	Skeletal Muscleâ€“Specific Deletion of MKP-1 Reveals a p38 MAPK/JNK/Akt Signaling Node That Regulates Obesity-Induced Insulin Resistance. Diabetes, 2018, 67, 624-635.	0.3	63
21	High Incomplete Skeletal Muscle Fatty Acid Oxidation Explains Low Muscle Insulin Sensitivity in Poorly Controlled T2D. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 882-889.	1.8	17
22	Altered formation of the iron oxide nanoparticle-biocorona due to individual variability and exercise. Environmental Toxicology and Pharmacology, 2018, 62, 215-226.	2.0	9
23	Pten is necessary for the quiescence and maintenance of adult muscle stem cells. Nature Communications, 2017, 8, 14328.	5.8	86
24	No difference in plantar flexion maximal exercise power output between men and women. Sport Sciences for Health, 2017, 13, 139-147.	0.4	1
25	Impaired exercise tolerance, mitochondrial biogenesis, and muscle fiber maintenance in miRâ€133aâ€“deficient mice. FASEB Journal, 2016, 30, 3745-3758.	0.2	59
26	Heat therapy promotes the expression of angiogenic regulators in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R377-R391.	0.9	45
27	Aging and the Skeletal Muscle Angiogenic Response to Exercise in Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1189-1197.	1.7	41
28	Measurement of Resting Energy Metabolism in Mice Using Oxymax Open Circuit Indirect Calorimeter. Bio-protocol, 2015, 5, .	0.2	20
29	Insulin sensitivity is related to glycemic control in type 2 diabetes and diabetes remission after Roux-en Y gastric bypass. Surgery, 2014, 155, 1036-1043.	1.0	12
30	Comparison of a Field-Based Test to Estimate Functional Threshold Power and Power Output at Lactate Threshold. Journal of Strength and Conditioning Research, 2012, 26, 416-421.	1.0	30
31	AMPK regulates basal skeletal muscle capillarization and VEGF expression, but is not necessary for the angiogenic response to exercise. Journal of Physiology, 2008, 586, 6021-6035.	1.3	64
32	No difference in the skeletal muscle angiogenic response to aerobic exercise training between young and aged men. Journal of Physiology, 2007, 585, 231-239.	1.3	95
33	Lower skeletal muscle capillarization and VEGF expression in aged vs. young men. Journal of Applied Physiology, 2006, 100, 178-185.	1.2	138
34	Lower capillary density but no difference in VEGF expression in obese vs. lean young skeletal muscle in humans. Journal of Applied Physiology, 2005, 98, 315-321.	1.2	115
35	Angiogenic growth factor response to acute systemic exercise in human skeletal muscle. Journal of Applied Physiology, 2004, 96, 19-24.	1.2	113
36	Reduced Mechanical Efficiency in Chronic Obstructive Pulmonary Disease but Normal Peak V̀‡o2with Small Muscle Mass Exercise. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 89-96.	2.5	154

#	Article	IF	Citations
37	Circulating plasma VEGF response to exercise in sedentary and endurance-trained men. Journal of Applied Physiology, 2004, 96, 1445-1450.	1.2	153
38	Pulmonary gas exchange during exercise in women: effects of exercise type and work increment. Journal of Applied Physiology, 2000, 89, 721-730.	1.2	93