Brian D Roy

List of Publications by Year in Descending Order

69 papers	1,507 citations	22 h-index	37 g-index
74 ext. papers	1,658 ext. citations	2.9 avg, IF	4.1 L-index

#	Paper	IF	Citations
69	Role of dairy foods in sport nutrition **2022**, 339-364		
68	Effects of Creatine Supplementation on Brain Function and Health.. *Nutrients*, **2022**, 14,	6.7	4
67	Intensified training in adolescent female athletes: a crossover study of Greek yogurt effects on indices of recovery. *Journal of the International Society of Sports Nutrition*, **2022**, 19, 17-33	4.5	1
66	Circulating Levels of Bone Markers after Short-Term Intense Training with Increased Dairy Consumption in Adolescent Female Athletes. *Children*, **2021**, 8,	2.8	1
65	Sex- and tissue-dependent creatine uptake in response to different creatine monohydrate doses in male and female Sprague-Dawley rats. *Applied Physiology, Nutrition and Metabolism*, **2021**, 46, 1298-1302	3	1
64	Creatine Monohydrate Supplementation Increases White Adipose Tissue Mitochondrial Markers in Male and Female Rats in a Depot Specific Manner. *Nutrients*, **2021**, 13,	6.7	2
63	Effects of Post-Exercise Whey Protein Consumption on Recovery Indices in Adolescent Swimmers. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	5
62	Low-dose lithium feeding increases the SERCA2a-to-phospholamban ratio, improving SERCA function in murine left ventricles. *Experimental Physiology*, **2020**, 105, 666-675	2.4	6
61	Consumption of Greek yogurt during 12 weeks of high-impact loading exercise increases bone formation in young, adult males - a secondary analysis from a randomized trial. *Applied Physiology, Nutrition and Metabolism*, **2020**, 45, 91-100	3	6
60	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. *Physiological Reports*, **2020**, 8, e14517	2.6	6
59	Greek Yogurt and 12 Weeks of Exercise Training on Strength, Muscle Thickness and Body Composition in Lean, Untrained, University-Aged Males. *Frontiers in Nutrition*, **2019**, 6, 55	6.2	19
58	Low dose lithium supplementation activates Wnt/β-catenin signalling and increases bone OPG/RANKL ratio in mice. *Biochemical and Biophysical Research Communications*, **2019**, 511, 394-397	3.4	9
57	A Low-Therapeutic Dose of Lithium Inhibits GSK3 and Enhances Myoblast Fusion in C2C12 Cells. *Cells*, **2019**, 8,	7.9	13
56	Effects of mild whole body hypothermia on self-paced exercise performance. *Journal of Applied Physiology*, **2018**, 125, 479-485	3.7	1
55	Increases in skeletal muscle ATGL and its inhibitor G0S2 following 8 weeks of endurance training in metabolically different rat skeletal muscles. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R125-33	3.2	10
54	A maternal high fat diet has long-lasting effects on skeletal muscle lipid and PLIN protein content in rat offspring at young adulthood. *Lipids*, **2015**, 50, 205-17	1.6	11
53	Characterization of lipolytic inhibitor G(0)/G(1) switch gene-2 protein (G0S2) expression in male Sprague-Dawley rat skeletal muscle compared to relative content of adipose triglyceride lipase (ATGL) and comparitive gene identification-58 (CGI-58). *PLoS ONE*, **2015**, 10, e0120136	3.7	4

52	Pyruvate dehydrogenase kinase-4 contributes to the recirculation of gluconeogenic precursors during postexercise glycogen recovery. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R102-7	3.2	17
51	Elevated concentrations of circulating cytokines and correlations with nerve conduction velocity in human peripheral nerves. *Journal of Neuroimmunology*, **2014**, 277, 134-9	3.5	1
50	Maternal high fat feeding alters bone lipid content at weaning without long-lasting effects on bone lipid content and bone strength in male offspring at young adulthood (1033.7). *FASEB Journal*, **2014** , 28, 1033.7	0.9	
49	A maternal high fat diet has long-lasting effects on skeletal muscle lipid and PLIN protein content in rat offspring at young adulthood (1162.7). *FASEB Journal*, **2014**, 28, 1162.7	0.9	
48	Skeletal muscle PLIN proteins, ATGL and CGI-58, interactions at rest and following stimulated contraction. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R644-50	3.2	64
47	Extracellular hyperosmotic stress stimulates glucose uptake in incubated fast-twitch rat skeletal muscle. *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 605-12	3	1
46	Skeletal muscle PLIN3 and PLIN5 are serine phosphorylated at rest and following lipolysis during adrenergic or contractile stimulation. *Physiological Reports*, **2013**, 1, e00084	2.6	28
45	Maternal high fat feeding does not have long-lasting effects on body composition and bone health in female and male Wistar rat offspring at young adulthood. *Molecules*, **2013**, 18, 15094-109	4.8	15
44	Impact of maternal high saturated fat diet on bone lipid content in weanling and 3 month old female offspring. *FASEB Journal*, **2013**, 27, lb415	0.9	
43	Higher intakes of low-fat milk combined with 12 weeks of endurance training does not result in lower fat mass and higher lean mass.. *FASEB Journal*, **2013**, 27, lb777	0.9	
42	Maternal high fat diet results in altered body composition in first generation male offspring at weaning but not adulthood. *FASEB Journal*, **2013**, 27, 244.8	0.9	
41	Role of pyruvate dehydrogenase kinase 4 in regulating PDH activation during acute muscle contraction. *Applied Physiology, Nutrition and Metabolism*, **2012**, 37, 48-52	3	9
40	Muscle cellular properties in the ice hockey player: a model for investigating overtraining?. *Canadian Journal of Physiology and Pharmacology*, **2012**, 90, 567-78	2.4	2
39	Subcellular localization of skeletal muscle lipid droplets and PLIN family proteins OXPAT and ADRP at rest and following contraction in rat soleus muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R29-36	3.2	29
38	Muscle contraction uncouples interactions between skeletal muscle ATGL and lipid droplet protein PLIN2. *FASEB Journal*, **2012**, 26, 1144.17	0.9	
37	Subcellular location and colocalization of lipid droplet proteins, ADRP and OXPAT, in resting and stimulated rat soleus. *FASEB Journal*, **2011**, 25, 1104.10	0.9	
36	Cellular responses in skeletal muscle to a season of ice hockey. *Applied Physiology, Nutrition and Metabolism*, **2010**, 35, 657-70	3	6
35	Influence of high-fat diet from differential dietary sources on bone mineral density, bone strength, and bone fatty acid composition in rats. *Applied Physiology, Nutrition and Metabolism*, **2010**, 35, 598-606	3	31

34	Skeletal muscle type comparison of subsarcolemmal mitochondrial membrane phospholipid fatty acid composition in rat. *Journal of Membrane Biology*, **2010**, 234, 207-15	2.3	41
33	Effect of extracellular osmolality on metabolism in contracting mammalian skeletal muscle in vitro. *Applied Physiology, Nutrition and Metabolism*, **2009**, 34, 1055-64	3	4
32	Associations of oral contraceptive use and dietary restraint with bone speed of sound and bone turnover in university-aged women. *Applied Physiology, Nutrition and Metabolism*, **2008**, 33, 696-705	3	4
31	Conjugated linoleic acid prevents growth attenuation induced by corticosteroid administration and increases bone mineral content in young rats. *Applied Physiology, Nutrition and Metabolism*, **2008**, 33, 1096-104	3	7
30	Skeletal muscle type comparison of pyruvate dehydrogenase phosphatase activity and isoform expression: effects of obesity and endurance training. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1224-30	3.2	18
29	Effect of creatine supplementation and resistance-exercise training on muscle insulin-like growth factor in young adults. *International Journal of Sport Nutrition and Exercise Metabolism*, **2008**, 18, 389-98	4.4	56
28	The acute effects of differential dietary fatty acids on human skeletal muscle pyruvate dehydrogenase activity. *Journal of Applied Physiology*, **2008**, 104, 1-9	3.7	30
27	Milk: the new sports drink? A Review. *Journal of the International Society of Sports Nutrition*, **2008**, 5, 15	4.5	47
26	Effect of extracellular osmolality on cell volume and resting metabolism in mammalian skeletal muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R1994-2000	3.2	15
25	Effects of exercise training with weighted vests on bone turnover and isokinetic strength in postmenopausal women. *Journal of Aging and Physical Activity*, **2007**, 15, 287-99	1.6	17
24	Creatine monohydrate increases bone mineral density in young Sprague-Dawley rats. *Medicine and Science in Sports and Exercise*, **2007**, 39, 816-20	1.2	29
23	Creatine monohydrate and conjugated linoleic acid improve strength and body composition following resistance exercise in older adults. *PLoS ONE*, **2007**, 2, e991	3.7	100
22	Skeletal muscle pyruvate dehydrogenase phosphatase: effects of obesity and endurance training. *FASEB Journal*, **2006**, 20, A815	0.9	
21	Adaptation of skeletal muscle pyruvate dehydrogenase kinase in response to starvation in mitochondrial subpopulations. *FASEB Journal*, **2006**, 20, LB26	0.9	
20	Extracellular hyper-osmolality increases resting skeletal muscle lactate in mammalian skeletal muscle. *FASEB Journal*, **2006**, 20, A816	0.9	
19	Creatine monohydrate supplementation does not improve functional recovery after total knee arthroplasty. *Archives of Physical Medicine and Rehabilitation*, **2005**, 86, 1293-8	2.8	17
18	Attenuation of free radical production and paracrystalline inclusions by creatine supplementation in a patient with a novel cytochrome b mutation. *Muscle and Nerve*, **2004**, 29, 537-47	3.4	41
17	Paradoxical effects of prior activity on human sarcoplasmic reticulum Ca2+-ATPase response to exercise. *Journal of Applied Physiology*, **2003**, 95, 138-44	3.7	18

16	Dietary supplementation with creatine monohydrate prevents corticosteroid-induced attenuation of growth in young rats. *Canadian Journal of Physiology and Pharmacology*, **2002**, 80, 1008-14	2.4	23
15	Substrate turnover and oxidation during moderate-intensity exercise following acute plasma volume expansion. *Hormone and Metabolic Research*, **2002**, 34, 93-101	3.1	
14	The influence of post-exercise macronutrient intake on energy balance and protein metabolism in active females participating in endurance training. *International Journal of Sport Nutrition and Exercise Metabolism*, **2002**, 12, 172-88	4.4	25
13	Human neuromuscular fatigue is associated with altered Na+-K+-ATPase activity following isometric exercise. *Journal of Applied Physiology*, **2002**, 92, 1585-93	3.7	85
12	Resistance-training-induced adaptations in skeletal muscle protein turnover in the fed state. *Canadian Journal of Physiology and Pharmacology*, **2002**, 80, 1045-53	2.4	119
11	An acute oral dose of caffeine does not alter glucose kinetics during prolonged dynamic exercise in trained endurance athletes. *European Journal of Applied Physiology*, **2001**, 85, 280-6	3.4	14
10	Acute plasma volume expansion in the untrained alters the hormonal response to prolonged moderate-intensity exercise. *Hormone and Metabolic Research*, **2001**, 33, 238-45	3.1	8
9	Prolonged exercise following diuretic-induced hypohydration effects on fluid and electrolyte hormones. *Hormone and Metabolic Research*, **2001**, 33, 540-7	3.1	10
8	Increases in submaximal cycling efficiency mediated by altitude acclimatization. *Journal of Applied Physiology*, **2000**, 89, 1189-97	3.7	81
7	Downregulation in muscle Na(+)-K(+)-ATPase following a 21-day expedition to 6,194 m. *Journal of Applied Physiology*, **2000**, 88, 634-40	3.7	62
6	Macronutrient intake and whole body protein metabolism following resistance exercise. *Medicine and Science in Sports and Exercise*, **2000**, 32, 1412-8	1.2	24
5	Effects of a 21-day expedition to 6,194 m on human skeletal muscle SR Ca2+-ATPase. *High Altitude Medicine and Biology*, **2000**, 1, 301-10	1.9	13
4	Myofibrillar disruption following acute concentric and eccentric resistance exercise in strength-trained men. *Canadian Journal of Physiology and Pharmacology*, **2000**, 78, 656-661	2.4	63
3	The effects of acute passive stretch on muscle protein synthesis in humans. *Applied Physiology, Nutrition, and Metabolism*, **2000**, 25, 165-80		28
2	Influence of differing macronutrient intakes on muscle glycogen resynthesis after resistance exercise. *Journal of Applied Physiology*, **1998**, 84, 890-6	3.7	63
1	Postexercise protein-carbohydrate and carbohydrate supplements increase muscle glycogen in men and women. *Journal of Applied Physiology*, **1997**, 83, 1877-83	3.7	142