

Aaron C Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,556
citations

304743

22
h-index

302126

39
g-index

49
all docs

49
docs citations

49
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	N-acetylcysteine attenuates the decline in muscle Na ⁺ ,K ⁺ -pump activity and delays fatigue during prolonged exercise in humans. <i>Journal of Physiology</i> , 2006, 576, 279-288.	2.9	216
2	N-acetylcysteine enhances muscle cysteine and glutathione availability and attenuates fatigue during prolonged exercise in endurance-trained individuals. <i>Journal of Applied Physiology</i> , 2004, 97, 1477-1485.	2.5	193
3	Postexercise Cold Water Immersion Benefits Are Not Greater than the Placebo Effect. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2139-2147.	0.4	108
4	Infusion with the antioxidant N-acetylcysteine attenuates early adaptive responses to exercise in human skeletal muscle. <i>Acta Physiologica</i> , 2012, 204, 382-392.	3.8	82
5	Exercise Performance Falls over Time in Patients with Chronic Kidney Disease Despite Maintenance of Hemoglobin Concentration. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2006, 1, 488-495.	4.5	72
6	Preservation of skeletal muscle mitochondrial content in older adults: relationship between mitochondria, fibre type and high-intensity exercise training. <i>Journal of Physiology</i> , 2017, 595, 3345-3359.	2.9	60
7	Intense exercise up-regulates Na ⁺ ,K ⁺ -ATPase isoform mRNA, but not protein expression in human skeletal muscle. <i>Journal of Physiology</i> , 2004, 556, 507-519.	2.9	58
8	Effects of repeated local heat therapy on skeletal muscle structure and function in humans. <i>Journal of Applied Physiology</i> , 2020, 128, 483-492.	2.5	43
9	Chronic intermittent hypoxia and incremental cycling exercise independently depress muscle in vitro maximal Na ⁺ -K ⁺ -ATPase activity in well-trained athletes. <i>Journal of Applied Physiology</i> , 2005, 98, 186-192.	2.5	42
10	Heavy Resistance Training in Hypoxia Enhances 1RM Squat Performance. <i>Frontiers in Physiology</i> , 2016, 7, 502.	2.8	38
11	The Influence of Post-Exercise Cold-Water Immersion on Adaptive Responses to Exercise: A Review of the Literature. <i>Sports Medicine</i> , 2018, 48, 1369-1387.	6.5	36
12	Dose-dependent increases in p70S6K phosphorylation and intramuscular branched-chain amino acids in older men following resistance exercise and protein intake. <i>Physiological Reports</i> , 2014, 2, e12112.	1.7	34
13	Oxaliplatin-induced enteric neuronal loss and intestinal dysfunction is prevented by co-treatment with BGP-15. <i>British Journal of Pharmacology</i> , 2018, 175, 656-677.	5.4	34
14	Cold water immersion attenuates anabolic signaling and skeletal muscle fiber hypertrophy, but not strength gain, following whole-body resistance training. <i>Journal of Applied Physiology</i> , 2019, 127, 1403-1418.	2.5	34
15	Soy protein ingestion results in less prolonged p70S6 kinase phosphorylation compared to whey protein after resistance exercise in older men. <i>Journal of the International Society of Sports Nutrition</i> , 2015, 12, 6.	3.9	32
16	BGP-15 Protects against Oxaliplatin-Induced Skeletal Myopathy and Mitochondrial Reactive Oxygen Species Production in Mice. <i>Frontiers in Pharmacology</i> , 2017, 8, 137.	3.5	30
17	Pre-shift fluid intake: Effect on physiology, work and drinking during emergency wildfire fighting. <i>Applied Ergonomics</i> , 2012, 43, 532-540.	3.1	29
18	Dissociation between short-term unloading and resistance training effects on skeletal muscle Na ⁺ ,K ⁺ -ATPase, muscle function, and fatigue in humans. <i>Journal of Applied Physiology</i> , 2016, 121, 1074-1086.	2.5	28

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19	Validity and relevance of the pack hike wildland firefighter work capacity test: a review. <i>Ergonomics</i> , 2010, 53, 1276-1285.	2.1	26
20	Cold-water immersion following sprint interval training does not alter endurance signaling pathways or training adaptations in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R372-R384.	1.8	25
21	The effect of prescribed fluid consumption on physiology and work behavior of wildfire fighters. <i>Applied Ergonomics</i> , 2013, 44, 404-413.	3.1	24
22	Pack Hike Test finishing time for Australian firefighters: Pass rates and correlates of performance. <i>Applied Ergonomics</i> , 2011, 42, 411-418.	3.1	22
23	Cell specific differences in the protein abundances of GAPDH and Na ⁺ ,K ⁺ -ATPase in skeletal muscle from aged individuals. <i>Experimental Gerontology</i> , 2016, 75, 8-15.	2.8	22
24	Intense interval training in healthy older adults increases skeletal muscle [³ H]ouabain-binding site content and elevates Na ⁺ ,K ⁺ -ATPase α 2 isoform abundance in Type II fibers. <i>Physiological Reports</i> , 2017, 5, e13219.	1.7	22
25	High-intensity interval training in chronic kidney disease: A randomized pilot study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1197-1204.	2.9	22
26	Plasma K ⁺ dynamics and implications during and following intense rowing exercise. <i>Journal of Applied Physiology</i> , 2014, 117, 60-68.	2.5	20
27	N-acetylcysteine alters substrate metabolism during high-intensity cycle exercise in well-trained humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 1217-1227.	1.9	19
28	The effects of knee injury on skeletal muscle function, Na ⁺ , K ⁺ -ATPase content, and isoform abundance. <i>Physiological Reports</i> , 2015, 3, e12294.	1.7	19
29	Impaired exercise performance and muscle Na ⁺ ,K ⁺ -pump activity in renal transplantation and haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 2036-2043.	0.7	18
30	Cold-Water Immersion and Contrast Water Therapy: No Improvement of Short-Term Recovery After Resistance Training. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 886-892.	2.3	15
31	Protection against severe hypokalemia but impaired cardiac repolarization after intense rowing exercise in healthy humans receiving salbutamol. <i>Journal of Applied Physiology</i> , 2018, 125, 624-633.	2.5	15
32	Effects of endurance training on extrarenal potassium regulation and exercise performance in patients on haemodialysis. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2882-2888.	0.7	13
33	Post-exercise Cold Water Immersion Effects on Physiological Adaptations to Resistance Training and the Underlying Mechanisms in Skeletal Muscle: A Narrative Review. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 660291.	1.8	13
34	Whey Protein Supplementation Post Resistance Exercise in Elderly Men Induces Changes in Muscle miRNA's Compared to Resistance Exercise Alone. <i>Frontiers in Nutrition</i> , 2019, 6, 91.	3.7	11
35	Validating "fit for duty" tests for Australian volunteer fire fighters suppressing bushfires. <i>Applied Ergonomics</i> , 2012, 43, 191-197.	3.1	10
36	Salbutamol effects on systemic potassium dynamics during and following intense continuous and intermittent exercise. <i>European Journal of Applied Physiology</i> , 2016, 116, 2389-2399.	2.5	10

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37	The effect of vitamin D status on pain, lower limb strength and knee function during balance recovery in people with knee osteoarthritis: an exploratory study. <i>Archives of Osteoporosis</i> , 2017, 12, 83.	2.4	10
38	The Paradoxical Effect of PARP Inhibitor BGP-15 on Irinotecan-Induced Cachexia and Skeletal Muscle Dysfunction. <i>Cancers</i> , 2020, 12, 3810.	3.7	7
39	Metronomic 5-Fluorouracil Delivery Primes Skeletal Muscle for Myopathy but Does Not Cause Cachexia. <i>Pharmaceuticals</i> , 2021, 14, 478.	3.8	7
40	High dose of whey protein after resistance exercise promotes 45 S preribosomal RNA synthesis in older men. <i>Nutrition</i> , 2018, 50, 105-107.	2.4	6
41	Plasma potassium concentration and cardiac repolarisation markers, $T_{peak} - T_{end}$ and $T_{peak} - T_{end}/QT$, during and after exercise in healthy participants and in end-stage renal disease. <i>European Journal of Applied Physiology</i> , 2022, 122, 691-702.	2.5	6
42	Co-treatment With BGP-15 Exacerbates 5-Fluorouracil-Induced Gastrointestinal Dysfunction. <i>Frontiers in Neuroscience</i> , 2019, 13, 449.	2.8	5
43	Stepping strategy used to recover balance during an induced fall is associated with impaired function and strength in people with knee osteoarthritis. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 1763-1771.	1.9	4
44	Resistance training upregulates skeletal muscle Na^+ , K^+ -ATPase content, with elevations in both $I^{\pm 1}$ and $I^{\pm 2}$, but not I^2 isoforms. <i>European Journal of Applied Physiology</i> , 2020, 120, 1777-1785.	2.5	4
45	Methods to match high-intensity interval exercise intensity in hypoxia and normoxia – A pilot study. <i>Journal of Exercise Science and Fitness</i> , 2022, 20, 70-76.	2.2	3
46	Hot water immersion; potential to improve intermittent running performance and perception of in-game running ability in semi-professional Australian Rules Footballers?. <i>PLoS ONE</i> , 2022, 17, e0263752.	2.5	3
47	Oral digoxin effects on exercise performance, K^+ regulation and skeletal muscle Na^+ , K^+ -ATPase in healthy humans. <i>Journal of Physiology</i> , 2022, 600, 3749-3774.	2.9	3
48	Effects of testosterone suppression, hindlimb immobilization, and recovery on $[3H]$ ouabain binding site content and Na^+ , K^+ -ATPase isoforms in rat soleus muscle. <i>Journal of Applied Physiology</i> , 2020, 128, 501-513.	2.5	2
49	Muscle activation during the Pack Hike test and a critical wildfire fighting task. <i>Applied Ergonomics</i> , 2013, 44, 274-277.	3.1	1