

Derek Ball

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,344
citations

361296

20
h-index

345118

36
g-index

45
all docs

45
docs citations

45
times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of prior heavy exercise on $\dot{V}E$ kinetics during heavy exercise are related to changes in muscle activity. <i>Journal of Applied Physiology</i> , 2002, 93, 167-174.	1.2	143
2	Changes in muscle morphology in dialysis patients after 6 months of aerobic exercise training. <i>Nephrology Dialysis Transplantation</i> , 2003, 18, 1854-1861.	0.4	98
3	Muscle oxygen uptake and energy turnover during dynamic exercise at different contraction frequencies in humans. <i>Journal of Physiology</i> , 2001, 536, 261-271.	1.3	88
4	Does the Human Heart Fatigue Subsequent to Prolonged Exercise?. <i>Sports Medicine</i> , 2003, 33, 365-380.	3.1	81
5	Atrophy of non-locomotor muscle in patients with end-stage renal failure. <i>Nephrology Dialysis Transplantation</i> , 2003, 18, 2074-2081.	0.4	80
6	Effects of Massage on Limb and Skin Blood Flow after Quadriceps Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1308-1313.	0.2	70
7	Diet composition and the performance of high-intensity exercise. <i>Journal of Sports Sciences</i> , 1997, 15, 265-275.	1.0	68
8	Neuromuscular and hormonal responses to a single session of whole body vibration exercise in healthy young men. <i>Clinical Physiology and Functional Imaging</i> , 2007, 27, 242-248.	0.5	68
9	Blood and urine acid-base status of premenopausal omnivorous and vegetarian women. <i>British Journal of Nutrition</i> , 1997, 78, 683-693.	1.2	45
10	Cardiac drift during prolonged exercise with echocardiographic evidence of reduced diastolic function of the heart. <i>European Journal of Applied Physiology</i> , 2005, 94, 305-309.	1.2	45
11	Metabolic and endocrine response to exercise: sympathoadrenal integration with skeletal muscle. <i>Journal of Endocrinology</i> , 2015, 224, R79-R95.	1.2	44
12	Effects of hyperthermia on the metabolic responses to repeated high-intensity exercise. <i>European Journal of Applied Physiology</i> , 2004, 93, 159-166.	1.2	43
13	Sodium acetate decreases phosphorylation of hormone sensitive lipase in isoproterenol-stimulated 3T3-L1 mature adipocytes. <i>Adipocyte</i> , 2014, 3, 121-125.	1.3	38
14	Using systems biology to define the essential biological networks responsible for adaptation to endurance exercise training. <i>Biochemical Society Transactions</i> , 2007, 35, 1306-1309.	1.6	35
15	Effect of muscle temperature on rate of oxygen uptake during exercise in humans at different contraction frequencies. <i>Journal of Experimental Biology</i> , 2002, 205, 981-987.	0.8	35
16	The cardiospecificity of the third-generation cTnT assay after exercise-induced muscle damage. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 651-654.	0.2	34
17	Total power output generated during dynamic knee extensor exercise at different contraction frequencies. <i>Journal of Applied Physiology</i> , 2000, 89, 1912-1918.	1.2	29
18	Effect of muscle temperature on rate of oxygen uptake during exercise in humans at different contraction frequencies. <i>Journal of Experimental Biology</i> , 2002, 205, 981-7.	0.8	27

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19	Effect of temperature on skeletal muscle energy turnover during dynamic knee-extensor exercise in humans. <i>Journal of Applied Physiology</i> , 2006, 101, 47-52.	1.2	24
20	Preload maintenance and the left ventricular response to prolonged exercise in men. <i>Experimental Physiology</i> , 2007, 92, 383-390.	0.9	24
21	Assessment of Acute Mild Hypoxia on Retinal Oxygen Saturation Using Snapshot Retinal Oximetry. , 2013, 54, 7538.		22
22	Sodium Acetate Induces a Metabolic Alkalosis but Not the Increase in Fatty Acid Oxidation Observed Following Bicarbonate Ingestion in Humans. <i>Journal of Nutrition</i> , 2007, 137, 1750-1756.	1.3	19
23	The cardiospecificity of the third-generation cTnT assay after exercise-induced muscle damage. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 651-654.	0.2	18
24	Effect of antagonist muscle fatigue on knee extension torque. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 735-741.	1.3	17
25	Cardiac Troponin T in Female Athletes during a Two-Day Mountain Marathon. <i>Scottish Medical Journal</i> , 2003, 48, 41-42.	0.7	17
26	Skeletal muscle morphology and capillarization of renal failure patients receiving different dialysis therapies. <i>Clinical Science</i> , 2004, 107, 617-623.	1.8	15
27	Influence of sodium bicarbonate ingestion on plasma ammonia accumulation during incremental exercise in man. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 66, 49-54.	1.2	14
28	Haemostasis, inflammation and renal function following exercise in patients with intermittent claudication on statin and aspirin therapy. <i>Thrombosis Journal</i> , 2006, 4, 9.	0.9	13
29	PHOSPHO1 is a skeletal regulator of insulin resistance and obesity. <i>BMC Biology</i> , 2020, 18, 149.	1.7	13
30	The Effect of Maturation on Performance During Repeated Sprints With Self-Selected Versus Standardized Recovery Intervals in Youth Footballers. <i>Pediatric Exercise Science</i> , 2018, 30, 500-505.	0.5	12
31	A Preliminary Study on the Effects of Exercising to Maximum Walking Distance on Platelet and Endothelial Function in Patients with Intermittent Claudication. <i>European Journal of Vascular and Endovascular Surgery</i> , 2006, 31, 266-273.	0.8	11
32	Contrasting effects of heat stress on neuromuscular performance. <i>Experimental Physiology</i> , 2021, 106, 2328-2334.	0.9	9
33	Physiological, Perceptual and Performance Responses Associated With Self-Selected Versus Standardized Recovery Periods During a Repeated Sprint Protocol in Elite Youth Football Players: A Preliminary Study. <i>Pediatric Exercise Science</i> , 2017, 29, 186-193.	0.5	8
34	Training and overload: adaptation and failure in the musculoskeletal system. <i>Journal of Bodywork and Movement Therapies</i> , 1998, 2, 161-167.	0.5	5
35	The Effect of Sodium Acetate Ingestion on the Metabolic Response to Prolonged Moderate-Intensity Exercise in Humans. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2013, 23, 357-368.	1.0	5
36	Determining Ischaemic Thresholds Through Our Understanding of Cellular Metabolism. , 2019, , 25-34.		4

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37	Fatigue profile: a numerical method to examine fatigue in cycle ergometry. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999, 80, 508-510.	1.2	3
38	Initial fitness, maturity status, and total training explain small and inconsistent proportions of the variance in physical development of adolescent footballers across one season. <i>Research in Sports Medicine</i> , 2021, , 1-12.	0.7	3
39	An alternative histochemical method to simultaneously demonstrate muscle nuclei and muscle fibre type. <i>European Journal of Applied Physiology</i> , 2003, 89, 503-505.	1.2	2
40	Fatigue as a limitation to performance. <i>Experimental Physiology</i> , 2021, 106, 2291-2293.	0.9	2
41	Understanding the interplay between the gut microbiome, nutrition and health. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 383-385.	0.4	1
42	Remote sensing of blood oxygenation using red-eye pupil reflection. <i>Physiological Measurement</i> , 2019, 40, 12NT01.	1.2	0
43	Sodium acetate ingestion perturbs substrate utilisation at rest and during the early stages of prolonged exercise in man. <i>FASEB Journal</i> , 2006, 20, LB25.	0.2	0
44	Conference report: the importance of the gut microbiome and nutrition on health. <i>Gut Microbiome</i> , 2021, 2, .	0.8	0