

# Kirk J Cureton

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	3,909 citations	34 h-index	60 g-index
105 ext. papers	4,205 ext. citations	2.3 avg, IF	4.99 L-index

#	Paper	IF	Citations
93	Effects of concentric and eccentric training on muscle strength, cross-sectional area, and neural activation. <i>Journal of Applied Physiology</i> , <b>1996</b> , 81, 2173-81	3.7	316
92	In vivo validation of whole body composition estimates from dual-energy X-ray absorptiometry. <i>Journal of Applied Physiology</i> , <b>1997</b> , 83, 623-30	3.7	215
91	Sprint interval training effects on aerobic capacity: a systematic review and meta-analysis. <i>Sports Medicine</i> , <b>2014</b> , 44, 269-79	10.6	186
90	Muscle hypertrophy in men and women. <i>Medicine and Science in Sports and Exercise</i> , <b>1988</b> , 20, 338-44	1.2	159
89	Cooling vest worn during active warm-up improves 5-km run performance in the heat. <i>Journal of Applied Physiology</i> , <b>2004</b> , 96, 1867-74	3.7	139
88	Development of youth aerobic-capacity standards using receiver operating characteristic curves. <i>American Journal of Preventive Medicine</i> , <b>2011</b> , 41, S111-6	6.1	121
87	Ratings of perceived exertion at the lactate threshold in trained and untrained men and women. <i>Medicine and Science in Sports and Exercise</i> , <b>1987</b> , 19, 354-362	1.2	108
86	Ergogenic effects of low doses of caffeine on cycling performance. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2008</b> , 18, 328-42	4.4	100
85	Effects of prior exercise on postprandial lipemia: a quantitative review. <i>Metabolism: Clinical and Experimental</i> , <b>2003</b> , 52, 418-24	12.7	100
84	Sex difference in muscular strength in equally-trained men and women. <i>Ergonomics</i> , <b>1987</b> , 30, 675-87	2.9	95
83	Criterion-referenced standards for youth health-related fitness tests: a tutorial. <i>Research Quarterly for Exercise and Sport</i> , <b>1990</b> , 61, 7-19	1.9	86
82	Lower extremity muscle activation during horizontal and uphill running. <i>Journal of Applied Physiology</i> , <b>1997</b> , 83, 2073-9	3.7	85
81	Assessment of skeletal muscle mass in men with spinal cord injury using dual-energy X-ray absorptiometry and magnetic resonance imaging. <i>Journal of Applied Physiology</i> , <b>2004</b> , 96, 561-5	3.7	84
80	A generalized equation for prediction of $\dot{V}O_{2\text{peak}}$ from 1-mile run/walk performance. <i>Medicine and Science in Sports and Exercise</i> , <b>1995</b> , 27, 445-451	1.2	84
79	Effect of resistance exercise on postprandial lipemia. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 694-700	3.7	79
78	Muscle activation and the slow component rise in oxygen uptake during cycling. <i>Medicine and Science in Sports and Exercise</i> , <b>2000</b> , 32, 2040-5	1.2	78
77	Effect of sprint interval training on circulatory function during exercise in sedentary, overweight/obese women. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1591-7	3.4	77

76	Sex difference in maximal oxygen uptake. Effect of equating haemoglobin concentration. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>1986</b> , 54, 656-60		67
75	Dietary quercetin supplementation is not ergogenic in untrained men. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1095-104	3.7	66
74	Caffeinated sports drink: ergogenic effects and possible mechanisms. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2007</b> , 17, 35-55	4.4	66
73	Relation of heart rate to percent VO <sub>2</sub> peak during submaximal exercise in the heat. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 1162-8	3.7	64
72	Effect of prior exercise on postprandial lipemia: an updated quantitative review. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 67-75	3.7	63
71	Body-composition changes with diet and exercise in obese women: a comparison of estimates from clinical methods and a 4-component model. <i>American Journal of Clinical Nutrition</i> , <b>1999</b> , 70, 5-12	7	62
70	Cardiovascular drift is related to reduced maximal oxygen uptake during heat stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, 248-55	1.2	61
69	Muscularity and the density of the fat-free mass in athletes. <i>Journal of Applied Physiology</i> , <b>2001</b> , 90, 1523-31	3.7	58
68	Cardiovascular drift during heat stress: implications for exercise prescription. <i>Exercise and Sport Sciences Reviews</i> , <b>2012</b> , 40, 88-94	6.7	51
67	Distance running performance and metabolic responses to running in men and women with excess weight experimentally equated. <i>Medicine and Science in Sports and Exercise</i> , <b>1980</b> , 12, 288-294	1.2	50
66	Effects of acute sprint interval cycling and energy replacement on postprandial lipemia. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1584-9	3.7	48
65	Anaerobic capacity and muscle activation during horizontal and uphill running. <i>Journal of Applied Physiology</i> , <b>1997</b> , 83, 262-9	3.7	47
64	Status of Field-Based Fitness Testing in Children and Youth. <i>Preventive Medicine</i> , <b>2000</b> , 31, S77-S85	4.3	43
63	Biological determinants of the sex difference in 12-min run performance. <i>Medicine and Science in Sports and Exercise</i> , <b>1983</b> , 15, 218-223	1.2	42
62	Fluid ingestion attenuates the decline in VO <sub>2</sub> peak associated with cardiovascular drift. <i>Medicine and Science in Sports and Exercise</i> , <b>2006</b> , 38, 901-9	1.2	39
61	Approaches for development of criterion-referenced standards in health-related youth fitness tests. <i>American Journal of Preventive Medicine</i> , <b>2011</b> , 41, S68-76	6.1	38
60	Short-term effects of aerobic exercise on executive processes and emotional reactivity. <i>International Journal of Sport and Exercise Psychology</i> , <b>2005</b> , 3, 131-146	2.5	35
59	Effect of intensity of resistance exercise on postprandial lipemia. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 823-9	3.7	33

58	Red blood cell pulmonary capillary transit time during exercise in athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>1991</b> , 23, 1353-1361	1.2	33
57	Circadian specificity in exercise training. <i>Ergonomics</i> , <b>1989</b> , 32, 79-92	2.9	33
56	Effects of six weeks of quercetin supplementation on physical performance in ROTC cadets. <i>Military Medicine</i> , <b>2010</b> , 175, 791-8	1.3	30
55	Hyperthermia and maximal oxygen uptake in men and women. <i>European Journal of Applied Physiology</i> , <b>2004</b> , 92, 524-32	3.4	30
54	Effect of ambient temperature on cardiovascular drift and maximal oxygen uptake. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 1065-71	1.2	29
53	Body cooling attenuates the decrease in maximal oxygen uptake associated with cardiovascular drift during heat stress. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 98, 97-104	3.4	27
52	Hydration during exercise in warm, humid conditions: effect of a caffeinated sports drink. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2007</b> , 17, 163-77	4.4	26
51	Use of air displacement plethysmography for estimating body fat in a four-component model. <i>Medicine and Science in Sports and Exercise</i> , <b>2001</b> , 33, 1311-7	1.2	26
50	Acute and chronic effects of sprint interval exercise on postprandial lipemia in women at-risk for the metabolic syndrome. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 872-9	3.7	25
49	Peak oxygen deficit during one- and two- legged cycling in men and women. <i>Medicine and Science in Sports and Exercise</i> , <b>1993</b> , 25, 584-591	1.2	25
48	Adjustment of 1-Mile Run/Walk Test Scores for Skinfold Thickness in Youth. <i>Pediatric Exercise Science</i> , <b>1991</b> , 3, 152-167	2	25
47	Plasma volume change during heavy-resistance weight lifting. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>1986</b> , 55, 44-8		25
46	Comparison of responses to two high-intensity intermittent exercise protocols. <i>Journal of Strength and Conditioning Research</i> , <b>2014</b> , 28, 3033-40	3.2	24
45	Physiological responses to an acute bout of sprint interval cycling. <i>Journal of Strength and Conditioning Research</i> , <b>2013</b> , 27, 2768-73	3.2	23
44	Effects of Aerobic Dance on Physical Work Capacity, Cardiovascular Function and Body Composition of Middle-Aged Women. <i>Research Quarterly for Exercise and Sport</i> , <b>1985</b> , 56, 227-233	1.9	23
43	Effects of diet and exercise on the density and composition of the fat-free mass in obese women. <i>Medicine and Science in Sports and Exercise</i> , <b>1999</b> , 31, 1778-87	1.2	20
42	Intakes of most nutrients remain at acceptable levels during a weight management program using the food exchange system. <i>Journal of the American Dietetic Association</i> , <b>2001</b> , 101, 554-61		19
41	Validation of body composition estimates in male and female distance runners using estimates from a four-component model. <i>American Journal of Human Biology</i> , <b>2000</b> , 12, 301-314	2.7	19

40	Grape consumption's effects on fitness, muscle injury, mood, and perceived health. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2013</b> , 23, 57-64	4.4	18
39	Effects of 6 weeks of quercetin supplementation on energy, fatigue, and sleep in ROTC cadets. <i>Military Medicine</i> , <b>2011</b> , 176, 565-72	1.3	18
38	Effect of the slow-component rise in oxygen uptake on VO2max. <i>Medicine and Science in Sports and Exercise</i> , <b>1996</b> , 28, 72-8	1.2	18
37	Effects of Low-Volume, High-Intensity Whole-Body Calisthenics on Army ROTC Cadets. <i>Military Medicine</i> , <b>2015</b> , 180, 492-8	1.3	17
36	Effect of six weeks of sprint interval training on mood and perceived health in women at risk for metabolic syndrome. <i>Journal of Sport and Exercise Psychology</i> , <b>2014</b> , 36, 610-8	1.5	17
35	Effect of time of day on perceived exertion at work rates above and below the ventilatory threshold. <i>Research Quarterly for Exercise and Sport</i> , <b>1989</b> , 60, 127-33	1.9	17
34	Does lung function limit performance in a 24-hour ultramarathon?. <i>Respiration Physiology</i> , <b>1989</b> , 78, 253-63		17
33	Matching of male and female subjects using VO2 max. <i>Research Quarterly for Exercise and Sport</i> , <b>1981</b> , 52, 264-8	1.9	17
32	Assessment of body composition change in a community-based weight management program. <i>Journal of the American College of Nutrition</i> , <b>2001</b> , 20, 26-31	3.5	16
31	Metabolic determinants of 1-mile run/walk performance in children. <i>Medicine and Science in Sports and Exercise</i> , <b>1991</b> , 23, 611-617	1.2	16
30	Commentary on "Children and fitness: A Public Health Perspective" <i>Research Quarterly for Exercise and Sport</i> , <b>1987</b> , 58, 315-320	1.9	16
29	Impact of bone mineral estimates on percent fat estimates from a four-component model. <i>Medicine and Science in Sports and Exercise</i> , <b>1999</b> , 31, 1861-8	1.2	16
28	Metabolic determinants of the age-related improvement in one-mile run/walk performance in youth. <i>Medicine and Science in Sports and Exercise</i> , <b>1997</b> , 29, 259-67	1.2	15
27	Endurance training reduces end-exercise VO2 and muscle use during submaximal cycling. <i>Medicine and Science in Sports and Exercise</i> , <b>2003</b> , 35, 257-62	1.2	14
26	Effect of race and musculoskeletal development on the accuracy of air plethysmography. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, 1070-7	1.2	14
25	Determinants of Distance Running Performance in Children: Analysis of a Path Model. <i>Research Quarterly American Alliance for Health Physical Education and Recreation</i> , <b>1977</b> , 48, 270-279		14
24	Metabolic and Circulatory Responses to Running During Pregnancy. <i>Physician and Sportsmedicine</i> , <b>1981</b> , 9, 55-61	2.4	12
23	Maximal oxygen uptake after attenuation of cardiovascular drift during heat stress. <i>Aviation, Space, and Environmental Medicine</i> , <b>2006</b> , 77, 687-94		12

22	Critical measurement issues/challenges in assessing aerobic capacity in youth. <i>Research Quarterly for Exercise and Sport</i> , <b>2014</b> , 85, 136-43	1.9	11
21	Relationship between Body Composition Measures and AAHPER Test Performances in Young Boys. <i>Research Quarterly American Alliance for Health Physical Education and Recreation</i> , <b>1975</b> , 46, 218-229		11
20	Relation of bone mineral density and content to mineral content and density of the fat-free mass. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 2166-72	3.7	10
19	Differential effects of dietary carbohydrate on RPE at the lactate and ventilatory thresholds. <i>Medicine and Science in Sports and Exercise</i> , <b>1992</b> , 24, 568-575	1.2	9
18	Body composition estimates from multicomponent models using BIA to determine body water. <i>Medicine and Science in Sports and Exercise</i> , <b>2001</b> , 33, 839-45	1.2	8
17	Validation of the 12-min swim as a field test of peak aerobic power in young men. <i>Medicine and Science in Sports and Exercise</i> , <b>1991</b> , 23, 766-773	1.2	7
16	Is the gender difference in peak VO <sub>2</sub> greater for arm than leg exercise?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>1990</b> , 60, 149-54		7
15	Heart Rate and Energy Expenditure During Aqua Dynamics. <i>Physician and Sportsmedicine</i> , <b>1983</b> , 11, 67-72.	4	7
14	Cardiovascular drift and Vo <sub>2</sub> max during cycling and walking in a temperate environment. <i>Aviation, Space, and Environmental Medicine</i> , <b>2012</b> , 83, 660-6		6
13	Acoustic startle eyeblink response after acute exercise. <i>International Journal of Neuroscience</i> , <b>2001</b> , 106, 21-33	2	6
12	Effects of varying levels of hypohydration on ratings of perceived exertion. <i>International Journal of Sport Nutrition</i> , <b>1993</b> , 3, 376-86		6
11	Sex difference in muscle cross-sectional area of athletes and non-athletes. <i>Journal of Sports Sciences</i> , <b>1989</b> , 7, 31-9	3.6	5
10	Distance Running Performance Tests in Children: What Do They Mean?. <i>Journal of Physical Education, Recreation and Dance</i> , <b>1982</b> , 53, 64-66	0.7	5
9	One-mile run-walk performance in young men and women: role of anaerobic metabolism. <i>Applied Physiology, Nutrition, and Metabolism</i> , <b>1997</b> , 22, 337-50		3
8	Validation of the 12-minute swim as a field test of peak aerobic power in young women. <i>Research Quarterly for Exercise and Sport</i> , <b>1992</b> , 63, 153-61	1.9	3
7	Effect of varying levels of hypohydration on responses during submaximal cycling. <i>Medicine and Science in Sports and Exercise</i> , <b>1992</b> , 24, 1096-1101	1.2	3
6	Effect of glucose polymer diet supplement on responses to prolonged successive swimming, cycling and running. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>1988</b> , 58, 327-33		3
5	Summary report on the NICHD research planning Workshop on Physical Activity in Pregnancy. <i>American Journal of Perinatology</i> , <b>1984</b> , 1, 276-9	3.3	3

4	Body Fatness and Performance Differences between Men and Women. <i>Research Quarterly</i> , <b>1979</b> , 50, 333-340		2
3	Letters. <i>Physician and Sportsmedicine</i> , <b>1985</b> , 13, 17-21	2.4	1
2	Athlete Burnout: A Physiological Perspective. <i>Journal of Intercollegiate Sport</i> , <b>2009</b> , 2, 31-34	1	
1	Dietary quercetin supplementation does not increase maximal oxygen uptake and physical work capacity. <i>SCIENCE and SPORT Current Trends</i> , <b>2019</b> , 7, 12-18	0	