

Edward F Coyle

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.

69

papers

4,064

citations

28

h-index

63

g-index

77

ext. papers

4,523

ext. citations

3.5

avg, IF

5.58

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 69 | Endurance exercise performance: the physiology of champions. <i>Journal of Physiology</i> , 2008 , 586, 35-44 | 3.9 | 526 |
| 68 | Muscle glycogen synthesis after exercise: effect of time of carbohydrate ingestion. <i>Journal of Applied Physiology</i> , 1988 , 64, 1480-5 | 3.7 | 333 |
| 67 | Fluid and fuel intake during exercise. <i>Journal of Sports Sciences</i> , 2004 , 22, 39-55 | 3.6 | 243 |
| 66 | Dehydration markedly impairs cardiovascular function in hyperthermic endurance athletes during exercise. <i>Journal of Applied Physiology</i> , 1997 , 82, 1229-36 | 3.7 | 238 |
| 65 | Cycling efficiency is related to the percentage of Type I muscle fibers. <i>Medicine and Science in Sports and Exercise</i> , 1992 , 24, 782-788 | 1.2 | 216 |
| 64 | Fluid and carbohydrate ingestion independently improve performance during 1 h of intense exercise. <i>Medicine and Science in Sports and Exercise</i> , 1995 , 27, 200-210 | 1.2 | 206 |
| 63 | Integration of the Physiological Factors Determining Endurance Performance Ability. <i>Exercise and Sport Sciences Reviews</i> , 1995 , 23, 25-64 | 6.7 | 203 |
| 62 | Physiological determinants of endurance exercise performance. <i>Journal of Science and Medicine in Sport</i> , 1999 , 2, 181-9 | 4.4 | 130 |
| 61 | Improved muscular efficiency displayed as Tour de France champion matures. <i>Journal of Applied Physiology</i> , 2005 , 98, 2191-6 | 3.7 | 121 |
| 60 | Plasma lactate accumulation and distance running performance. <i>Medicine and Science in Sports and Exercise</i> , 1979 , 11, 338-344 | 1.2 | 114 |
| 59 | Cardiac effects of prolonged and intense exercise training in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 1982 , 50, 246-54 | 3 | 113 |
| 58 | Effects of physical deconditioning after intense endurance training on left ventricular dimensions and stroke volume. <i>Journal of the American College of Cardiology</i> , 1986 , 7, 982-9 | 15.1 | 108 |
| 57 | Stroke volume decline during prolonged exercise is influenced by the increase in heart rate. <i>Journal of Applied Physiology</i> , 1999 , 86, 799-805 | 3.7 | 106 |
| 56 | Physical activity as a metabolic stressor. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 512S-20S | 7 | 93 |
| 55 | Metabolism and performance following carbohydrate ingestion late in exercise. <i>Medicine and Science in Sports and Exercise</i> , 1989 , 21, 59-65 | 1.2 | 93 |
| 54 | Inertial-load method determines maximal cycling power in a single exercise bout. <i>Medicine and Science in Sports and Exercise</i> , 1997 , 29, 1505-12 | 1.2 | 93 |
| 53 | Ellagitannin consumption improves strength recovery 2-3 d after eccentric exercise. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 493-8 | 1.2 | 84 |

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|----|--|------|----|
| 52 | Physiological determinants of endurance performance as studied in competitive racewalkers. <i>Medicine and Science in Sports and Exercise</i> , 1983 , 15, 287-9 | 1.2 | 81 |
| 51 | The effect of pomegranate juice supplementation on strength and soreness after eccentric exercise. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 1782-8 | 3.2 | 80 |
| 50 | Different glycemic indexes of breakfast cereals are not due to glucose entry into blood but to glucose removal by tissue. <i>American Journal of Clinical Nutrition</i> , 2003 , 78, 742-8 | 7 | 80 |
| 49 | High-fat diet elevates resting intramuscular triglyceride concentration and whole body lipolysis during exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E217-25 | 6 | 74 |
| 48 | Effectiveness of carbohydrate feeding in delaying fatigue during prolonged exercise. <i>Sports Medicine</i> , 1984 , 1, 446-58 | 10.6 | 72 |
| 47 | Cutaneous blood flow during exercise is higher in endurance-trained humans. <i>Journal of Applied Physiology</i> , 2000 , 88, 738-44 | 3.7 | 67 |
| 46 | Very intense exercise-training is extremely potent and time efficient: a reminder. <i>Journal of Applied Physiology</i> , 2005 , 98, 1983-4 | 3.7 | 52 |
| 45 | Acute high-intensity endurance exercise is more effective than moderate-intensity exercise for attenuation of postprandial triglyceride elevation. <i>Journal of Applied Physiology</i> , 2013 , 114, 792-800 | 3.7 | 48 |
| 44 | Physiological regulation of marathon performance. <i>Sports Medicine</i> , 2007 , 37, 306-11 | 10.6 | 47 |
| 43 | Interaction of hyperthermia and heart rate on stroke volume during prolonged exercise. <i>Journal of Applied Physiology</i> , 2010 , 109, 745-51 | 3.7 | 43 |
| 42 | Effects of moderate- and intermittent low-intensity exercise on postprandial lipemia. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1882-90 | 1.2 | 33 |
| 41 | Effect of endurance training on glycerol kinetics during strenuous exercise in humans. <i>Metabolism: Clinical and Experimental</i> , 1996 , 45, 357-61 | 12.7 | 26 |
| 40 | Carbohydrate supplementation during exercise. <i>Journal of Nutrition</i> , 1992 , 122, 788-95 | 4.1 | 23 |
| 39 | Cardiovascular responses to exercise when increasing skin temperature with narrowing of the core-to-skin temperature gradient. <i>Journal of Applied Physiology</i> , 2018 , 125, 697-705 | 3.7 | 21 |
| 38 | Effects of Differing Dosages of Pomegranate Juice Supplementation after Eccentric Exercise. <i>Physiology Journal</i> , 2014 , 2014, 1-7 | | 21 |
| 37 | Preexercise medium-chain triglyceride ingestion does not alter muscle glycogen use during exercise. <i>Journal of Applied Physiology</i> , 2000 , 88, 219-25 | 3.7 | 21 |
| 36 | Inactivity induces resistance to the metabolic benefits following acute exercise. <i>Journal of Applied Physiology</i> , 2019 , 126, 1088-1094 | 3.7 | 20 |
| 35 | Impact of polyphenol antioxidants on cycling performance and cardiovascular function. <i>Nutrients</i> , 2014 , 6, 1273-92 | 6.7 | 19 |

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| 34 | Has Armstrong's cycle efficiency improved?. <i>Journal of Applied Physiology</i> , 2005 , 99, 1628-9; author reply 1629 | 3.7 | 19 |
| 33 | Maximal mechanical power during a taper in elite swimmers. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1643-9 | 1.2 | 16 |
| 32 | Carbohydrates That Speed Recovery From Training. <i>Physician and Sportsmedicine</i> , 1993 , 21, 111-123 | 2.4 | 16 |
| 31 | Serum sodium concentration changes are related to fluid balance and sweat sodium loss. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1669-74 | 1.2 | 14 |
| 30 | Histochemical and physiological correlates of training- and detraining-induced changes in the recovery from a fatigue test. <i>Physical Therapy</i> , 1993 , 73, 661-7 | 3.3 | 14 |
| 29 | Postexercise macronutrient intake and subsequent postprandial triglyceride metabolism. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 2099-106 | 1.2 | 13 |
| 28 | Cardiovascular sensitivity to epinephrine in the trained and untrained states. <i>American Journal of Cardiology</i> , 1984 , 54, 1326-30 | 3 | 13 |
| 27 | Effect of prolonged intense endurance training on systolic time intervals in patients with coronary artery disease. <i>American Heart Journal</i> , 1984 , 107, 75-81 | 4.9 | 13 |
| 26 | Muscle activity and pedal force profile of triathletes during cycling to exhaustion. <i>Sports Biomechanics</i> , 2012 , 11, 10-9 | 2.2 | 12 |
| 25 | Scientific considerations for physiological evaluations of elite athletes. <i>Journal of Applied Physiology</i> , 2005 , 99, 1630-1; author reply 1631-2 | 3.7 | 12 |
| 24 | Prolonged sitting negatively affects the postprandial plasma triglyceride-lowering effect of acute exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E891-E898 | 6 | 12 |
| 23 | Hourly 4-s Sprints Prevent Impairment of Postprandial Fat Metabolism from Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2262-2269 | 1.2 | 9 |
| 22 | Warm skin alters cardiovascular responses to cycling after preheating and precooling. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1168-76 | 1.2 | 8 |
| 21 | Stroke volume measurement during supine and upright cycle exercise by impedance cardiography. <i>Annals of Biomedical Engineering</i> , 1994 , 22, 514-23 | 4.7 | 8 |
| 20 | The historical context and scientific legacy of John O. Holloszy. <i>Journal of Applied Physiology</i> , 2019 , 127, 277-305 | 3.7 | 7 |
| 19 | Prolonged standing reduces fasting plasma triglyceride but does not influence postprandial metabolism compared to prolonged sitting. <i>PLoS ONE</i> , 2020 , 15, e0228297 | 3.7 | 3 |
| 18 | Fat oxidation during whole body exercise appears to be a good example of regulation by the interaction of physiological systems. <i>Journal of Physiology</i> , 2007 , 581, 886 | 3.9 | 3 |
| 17 | Understanding efficiency of human muscular movement exemplifies integrative and translational physiology. <i>Journal of Physiology</i> , 2006 , 571, 501 | 3.9 | 3 |

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| 16 | Low Stroke Volume during Exercise with Hot Skin Is Due to Elevated Heart Rate. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 2025-2032 | 1.2 | 3 |
| 15 | Exercise heart rate as a predictor of running performance. <i>Research Quarterly for Exercise and Sport</i> , 1980 , 51, 417-21 | 1.9 | 2 |
| 14 | Physical Fatigue During Intense Exercise: Integration and Compensation of Physiological Systems. <i>Military Psychology</i> , 2009 , 21, S62-S67 | 0.9 | 1 |
| 13 | Reply to Gore, Ashenden, Sharpe, and Martin. <i>Journal of Applied Physiology</i> , 2008 , 105, 1021-1021 | 3.7 | 1 |
| 12 | Effects of short sprint interval training on aerobic and anaerobic indices: A systematic review and meta-analysis.. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022 , | 4.6 | 1 |
| 11 | Daily Step Count and Postprandial Fat Metabolism. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 333-340 | 1.2 | 1 |
| 10 | Physiological responses to maximal 45 sprint interval cycling using inertial loading: the influence of inter-sprint recovery duration. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2295-2304 | 3.4 | 1 |
| 9 | Inertial Load Power Cycling Training Increases Muscle Mass and Aerobic Power in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 1188-1193 | 1.2 | 1 |
| 8 | Reply to Brengelmann. <i>Journal of Applied Physiology</i> , 2018 , 125, 969 | 3.7 | 1 |
| 7 | Four-Second Power Cycling Training Increases Maximal Anaerobic Power, Peak Oxygen Consumption, and Total Blood Volume. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2536-2542 | 1.2 | 1 |
| 6 | Differences in joint power distribution in high and low lactate threshold cyclists. <i>European Journal of Applied Physiology</i> , 2021 , 121, 231-238 | 3.4 | 0 |
| 5 | Background Inactivity Blunts Metabolic Adaptations to Intense Short-Term Training. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 1937-1944 | 1.2 | 0 |
| 4 | Prolonged standing reduces fasting plasma triglyceride but does not influence postprandial metabolism compared to prolonged sitting 2020 , 15, e0228297 | | |
| 3 | Prolonged standing reduces fasting plasma triglyceride but does not influence postprandial metabolism compared to prolonged sitting 2020 , 15, e0228297 | | |
| 2 | Prolonged standing reduces fasting plasma triglyceride but does not influence postprandial metabolism compared to prolonged sitting 2020 , 15, e0228297 | | |
| 1 | Prolonged standing reduces fasting plasma triglyceride but does not influence postprandial metabolism compared to prolonged sitting 2020 , 15, e0228297 | | |