

Andrew R Coggan

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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.

75
papers

5,287
citations

32
h-index

72
g-index

85
ext. papers

5,798
ext. citations

5.3
avg, IF

5.12
L-index

#	Paper	IF	Citations
75	Muscle glycogen utilization during prolonged strenuous exercise when fed carbohydrate. <i>Journal of Applied Physiology</i> , 1986 , 61, 165-72	3.7	726
74	Absence of an effect of liposuction on insulin action and risk factors for coronary heart disease. <i>New England Journal of Medicine</i> , 2004 , 350, 2549-57	59.2	581
73	Contribution of intrinsic skeletal muscle changes to 31P NMR skeletal muscle metabolic abnormalities in patients with chronic heart failure. <i>Circulation</i> , 1989 , 80, 1338-46	16.7	334
72	Histochemical and enzymatic comparison of the gastrocnemius muscle of young and elderly men and women. <i>Journal of Gerontology</i> , 1992 , 47, B71-6		298
71	Determinants of endurance in well-trained cyclists. <i>Journal of Applied Physiology</i> , 1988 , 64, 2622-30	3.7	295
70	Effects of gender, age, and fitness level on response of VO ₂ max to training in 60-71 yr olds. <i>Journal of Applied Physiology</i> , 1991 , 71, 2004-11	3.7	291
69	Reversal of fatigue during prolonged exercise by carbohydrate infusion or ingestion. <i>Journal of Applied Physiology</i> , 1987 , 63, 2388-95	3.7	280
68	Validation of a Mathematical Model for Road Cycling Power. <i>Journal of Applied Biomechanics</i> , 1998 , 14, 276-291	1.2	223
67	Substrate usage during prolonged exercise following a preexercise meal. <i>Journal of Applied Physiology</i> , 1985 , 59, 429-33	3.7	164
66	Muscle metabolism during exercise in young and older untrained and endurance-trained men. <i>Journal of Applied Physiology</i> , 1993 , 75, 2125-33	3.7	130
65	Glucose kinetics and substrate oxidation during exercise in the follicular and luteal phases. <i>Journal of Applied Physiology</i> , 2001 , 90, 447-53	3.7	120
64	Exercise metabolism at different time intervals after a meal. <i>Journal of Applied Physiology</i> , 1991 , 70, 882-87	3.7	103
63	Effect of carbohydrate feedings during high-intensity exercise. <i>Journal of Applied Physiology</i> , 1988 , 65, 1703-9	3.7	101
62	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
61	Exercise stroke volume relative to plasma-volume expansion. <i>Journal of Applied Physiology</i> , 1988 , 64, 404-8	3.7	90
60	Effect of acute dietary nitrate intake on maximal knee extensor speed and power in healthy men and women. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 48, 16-21	5	85
59	Acute Dietary Nitrate Intake Improves Muscle Contractile Function in Patients With Heart Failure: A Double-Blind, Placebo-Controlled, Randomized Trial. <i>Circulation: Heart Failure</i> , 2015 , 8, 914-20	7.6	84

58	Plasma glucose metabolism during exercise in humans. <i>Sports Medicine</i> , 1991 , 11, 102-24	10.6	74
57	Fat metabolism during high-intensity exercise in endurance-trained and untrained men. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 122-8	12.7	73
56	Pathway of free fatty acid oxidation in human subjects. Implications for tracer studies. <i>Journal of Clinical Investigation</i> , 1995 , 95, 278-84	15.9	73
55	Effectiveness of carbohydrate feeding in delaying fatigue during prolonged exercise. <i>Sports Medicine</i> , 1984 , 1, 446-58	10.6	72
54	Sex and type 2 diabetes: obesity-independent effects on left ventricular substrate metabolism and relaxation in humans. <i>Obesity</i> , 2012 , 20, 802-10	8	60
53	Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans. <i>Journal of Applied Physiology</i> , 1995 , 78, 1203-7	3.7	55
52	Impact of sex on the heart's metabolic and functional responses to diabetic therapies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1584-91	5.2	54
51	Isotopic estimation of CO ₂ production during exercise before and after endurance training. <i>Journal of Applied Physiology</i> , 1993 , 75, 70-5	3.7	48
50	Assessment of methods for improving tracer estimation of non-steady-state rate of appearance. <i>Journal of Applied Physiology</i> , 1999 , 87, 1813-22	3.7	47
49	Gender differences in glucose kinetics and substrate oxidation during exercise near the lactate threshold. <i>Journal of Applied Physiology</i> , 2002 , 92, 1125-32	3.7	40
48	Increase in Maximal Cycling Power With Acute Dietary Nitrate Supplementation. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 715-720	3.5	39
47	Effect of theophylline on substrate metabolism during exercise. <i>Metabolism: Clinical and Experimental</i> , 1996 , 45, 1153-60	12.7	38
46	Bariatric Surgery-Induced Cardiac and Lipidomic Changes in Obesity-Related Heart Failure with Preserved Ejection Fraction. <i>Obesity</i> , 2018 , 26, 284-290	8	37
45	Potential of abnormalities in myocardial metabolism with the development of diabetes in women with obesity and insulin resistance. <i>Journal of Nuclear Cardiology</i> , 2011 , 18, 421-9; quiz 432-3	2.1	33
44	Regulation of fatty acid oxidation in untrained vs. trained men during exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E510-5	6	32
43	Dietary Nitrate Enhances the Contractile Properties of Human Skeletal Muscle. <i>Exercise and Sport Sciences Reviews</i> , 2018 , 46, 254-261	6.7	31
42	Dietary nitrate-induced increases in human muscle power: high versus low responders. <i>Physiological Reports</i> , 2018 , 6, e13575	2.6	30
41	L-3-11C-lactate as a PET tracer of myocardial lactate metabolism: a feasibility study. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 2046-55	8.9	30

40	Endurance exercise training decreases capillary basement membrane width in older nondiabetic and diabetic adults. <i>Journal of Applied Physiology</i> , 1996 , 80, 747-53	3.7	30
39	Dietary Nitrate Increases VO _{peak} and Performance but Does Not Alter Ventilation or Efficiency in Patients With Heart Failure With Reduced Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2018 , 24, 65-73	3.3	29
38	Noncontrast skeletal muscle oximetry. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 318-25	4.4	27
37	PET measurements of myocardial glucose metabolism with 1-11C-glucose and kinetic modeling. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 955-64	8.9	27
36	Use of stable isotopes to study carbohydrate and fat metabolism at the whole-body level. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 953-61	2.9	25
35	A Diet Rich in Medium-Chain Fatty Acids Improves Systolic Function and Alters the Lipidomic Profile in Patients With Type 2 Diabetes: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 504-12	5.6	24
34	Type 2 diabetes, obesity, and sex difference affect the fate of glucose in the human heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1510-6	5.2	24
33	Assessment of myocardial triglyceride oxidation with PET and 11C-palmitate. <i>Journal of Nuclear Cardiology</i> , 2009 , 16, 411-21	2.1	23
32	A pilot study of regional perfusion and oxygenation in calf muscles of individuals with diabetes with a noninvasive measure. <i>Journal of Vascular Surgery</i> , 2014 , 59, 419-26	3.5	21
31	Sex affects myocardial blood flow and fatty acid substrate metabolism in humans with nonischemic heart failure. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 1226-1235	2.1	19
30	Effect of Ambrisentan on Exercise Capacity in Adult Patients After the Fontan Procedure. <i>American Journal of Cardiology</i> , 2016 , 117, 1524-32	3	17
29	What's in Your Beet Juice? Nitrate and Nitrite Content of Beet Juice Products Marketed to Athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019 , 29, 345-349	4.4	17
28	A "PET" area of interest: myocardial metabolism in human systolic heart failure. <i>Heart Failure Reviews</i> , 2013 , 18, 567-74	5	16
27	A Single Dose of Dietary Nitrate Increases Maximal Knee Extensor Angular Velocity and Power in Healthy Older Men and Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1154-1160	6.4	16
26	Dietary Nitrate and Skeletal Muscle Contractile Function in Heart Failure. <i>Current Heart Failure Reports</i> , 2016 , 13, 158-65	2.8	15
25	Plasma glucose metabolism during exercise: effect of endurance training in humans. <i>Medicine and Science in Sports and Exercise</i> , 1997 , 29, 620-7	1.2	12
24	Muscle biopsy as a tool in the study of aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1995 , 50 Spec No, 30-4	6.4	11
23	Lipid and carbohydrate metabolism in IDDM during moderate and intense exercise. <i>Diabetes</i> , 1995 , 44, 1066-1074	0.9	9

22	The glucose crossover concept is not an important new concept in exercise metabolism. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 896-900	3	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	In vivo creatine kinase reaction kinetics at rest and stress in type II diabetic rat heart. <i>Physiological Reports</i> , 2015 , 3, e12248	2.6	6
19	Measurement of myocardial fatty acid esterification using [1-11C]palmitate and PET: comparison with direct measurements of myocardial triglyceride synthesis. <i>Journal of Nuclear Cardiology</i> , 2009 , 16, 562-70	2.1	4
18	Are peristaltic pumps as reliable as syringe pumps for metabolic research? Assessment of accuracy, precision, and metabolic kinetics. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 875-8	12.7	4
17	Dose-Response Effect of Dietary Nitrate on Muscle Contractility and Blood Pressure in Older Subjects: A Pilot Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 591-598	6.4	4
16	Potential health effects of dietary nitrate supplementation in aging and chronic degenerative disease. <i>Medical Hypotheses</i> , 2020 , 141, 109732	3.8	3
15	Measurement of nitrate and nitrite in biopsy-sized muscle samples using HPLC. <i>Journal of Applied Physiology</i> , 2018 , 125, 1475-1481	3.7	3
14	Weight Loss Affects Intramyocardial Glucose Metabolism in Obese Humans. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e009241	3.9	3
13	Underestimation of substrate oxidation during exercise due to failure to account for bicarbonate kinetics. <i>Journal of Applied Physiology</i> , 1993 , 75, 2341-3	3.7	3
12	Effect of dietary nitrate on human muscle power: a systematic review and individual participant data meta-analysis. <i>Journal of the International Society of Sports Nutrition</i> , 2021 , 18, 66	4.5	3
11	Cardiovascular Functional Changes in Chronic Kidney Disease: Integrative Physiology, Pathophysiology and Applications of Cardiopulmonary Exercise Testing. <i>Frontiers in Physiology</i> , 2020 , 11, 572355	4.6	3
10	Dietary nitrate's effects on exercise performance in heart failure with reduced ejection fraction (HFrEF). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 735-740	6.9	3
9	Oximetric angiosome imaging in diabetic feet. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 940-6	5.6	2
8	Dietary Nitrate and Muscle Power with Aging. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1090-2	1.2	1
7	Simultaneous Pharmacokinetic Analysis of Nitrate and its Reduced Metabolite, Nitrite, Following Ingestion of Inorganic Nitrate in a Mixed Patient Population. <i>Pharmaceutical Research</i> , 2020 , 37, 235	4.5	1
6	Beetroot supplementation in women enjoying exercise together (BEE SWEET): Rationale, design and methods. <i>Contemporary Clinical Trials Communications</i> , 2021 , 21, 100693	1.8	1
5	Dietary Nitrate Supplementation and Exercise-Related Performance. <i>Nutrition Today</i> , 2020 , 55, 211-217	1.6	0

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- 3 [Reply to Notarius]. *Journal of Cardiac Failure*, **2019**, 25, 223 3-3
- 2 Dietary Nitrate and Muscle Function in Humans: Acute versus Chronic Mechanisms. *Medicine and Science in Sports and Exercise*, **2018**, 50, 874 1-2
- 1 Training-induced alterations in glucose metabolism during exercise. *Journal of Applied Physiology*, **1998**, 84, 1480-2 3-7