

Brendan Egan

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.

71
papers

3,152
citations

21
h-index

56
g-index

100
ext. papers

3,895
ext. citations

4.9
avg, IF

5.91
L-index

#	Paper	IF	Citations
71	Exercise metabolism and the molecular regulation of skeletal muscle adaptation. <i>Cell Metabolism</i> , 2013 , 17, 162-84	24.6	1073
70	Acute exercise remodels promoter methylation in human skeletal muscle. <i>Cell Metabolism</i> , 2012 , 15, 405-11	24.6	586
69	Exercise intensity-dependent regulation of peroxisome proliferator-activated receptor coactivator-1 mRNA abundance is associated with differential activation of upstream signalling kinases in human skeletal muscle. <i>Journal of Physiology</i> , 2010 , 588, 1779-90	3.9	253
68	Metabolism of ketone bodies during exercise and training: physiological basis for exogenous supplementation. <i>Journal of Physiology</i> , 2017 , 595, 2857-2871	3.9	168
67	Altered miR-29 Expression in Type 2 Diabetes Influences Glucose and Lipid Metabolism in Skeletal Muscle. <i>Diabetes</i> , 2017 , 66, 1807-1818	0.9	105
66	Resisted Sled Sprint Training to Improve Sprint Performance: A Systematic Review. <i>Sports Medicine</i> , 2016 , 46, 381-400	10.6	92
65	Autocrine role of interleukin-13 on skeletal muscle glucose metabolism in type 2 diabetic patients involves microRNA let-7. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E1359-66	6.6	84
64	Time course analysis reveals gene-specific transcript and protein kinetics of adaptation to short-term aerobic exercise training in human skeletal muscle. <i>PLoS ONE</i> , 2013 , 8, e74098	3.7	80
63	2-D DIGE analysis of the mitochondrial proteome from human skeletal muscle reveals time course-dependent remodelling in response to 14 consecutive days of endurance exercise training. <i>Proteomics</i> , 2011 , 11, 1413-28	4.8	56
62	Elevated levels of extracellular heat-shock protein 72 (eHSP72) are positively correlated with insulin resistance in vivo and cause pancreatic β cell dysfunction and death in vitro. <i>Clinical Science</i> , 2014 , 126, 739-52	6.5	47
61	Intermittent Running and Cognitive Performance after Ketone Ester Ingestion. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2330-2338	1.2	46
60	Fueling Performance: Ketones Enter the Mix. <i>Cell Metabolism</i> , 2016 , 24, 373-375	24.6	36
59	Comparison of time-matched aerobic, resistance, or concurrent exercise training in older adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018 , 28, 2272-2283	4.6	36
58	SnapShot: Exercise Metabolism. <i>Cell Metabolism</i> , 2016 , 24, 342-342.e1	24.6	34
57	Effect of acute ingestion of β -hydroxybutyrate salts on the response to graded exercise in trained cyclists. <i>European Journal of Sport Science</i> , 2018 , 18, 376-386	3.9	33
56	No Benefit of Ingestion of a Ketone Monoester Supplement on 10-km Running Performance. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 2506-2515	1.2	30
55	Anticatabolic Effects of Ketone Bodies in Skeletal Muscle. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 227-229	8.8	29

54	Acute Ingestion of Caffeinated Chewing Gum Improves Repeated Sprint Performance of Team Sport Athletes With Low Habitual Caffeine Consumption. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2018 , 28, 221-227	4.4	28
53	The effects of a combined bodyweight-based and elastic bands resistance training, with or without protein supplementation, on muscle mass, signaling and heat shock response in healthy older people. <i>Experimental Gerontology</i> , 2019 , 115, 104-113	4.5	28
52	Nutritional Ketosis with Ketogenic Diets or Exogenous Ketones: Features, Convergence, and Divergence. <i>Current Sports Medicine Reports</i> , 2020 , 19, 251-259	1.9	23
51	miRNA let-7 expression is regulated by glucose and TNF- α by a remote upstream promoter. <i>Biochemical Journal</i> , 2015 , 472, 147-56	3.8	21
50	Effects of a Six-Month Multi-Ingredient Nutrition Supplement Intervention of Omega-3 Polyunsaturated Fatty Acids, vitamin D, Resveratrol, and Whey Protein on Cognitive Function in Older Adults: A Randomised, Double-Blind, Controlled Trial. <i>Journal of Prevention of Alzheimer's Disease</i> , 2018 , 5, 175-183	3.8	18
49	Five year trends in maternal smoking behaviour reported at the first prenatal appointment. <i>Irish Journal of Medical Science</i> , 2017 , 186, 971-979	1.9	15
48	Prevalence, Magnitude and Methods of Rapid Weight Loss Reported by Male Mixed Martial Arts Athletes in Ireland. <i>Sports</i> , 2019 , 7,	3	15
47	Habitual protein intake, protein distribution patterns and dietary sources in Irish adults with stratification by sex and age. <i>Journal of Human Nutrition and Dietetics</i> , 2020 , 33, 465-476	3.1	13
46	Temporal analysis of reciprocal miRNA-mRNA expression patterns predicts regulatory networks during differentiation in human skeletal muscle cells. <i>Physiological Genomics</i> , 2015 , 47, 45-57	3.6	12
45	MicroRNA-208b progressively declines after spinal cord injury in humans and is inversely related to myostatin expression. <i>Physiological Reports</i> , 2015 , 3, e12622	2.6	12
44	Maternal obesity trends in a large Irish university hospital. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019 , 238, 95-99	2.4	11
43	Exercise Maintenance in Older Adults 1 Year After Completion of a Supervised Training Intervention. <i>Journal of the American Geriatrics Society</i> , 2020 , 68, 163-169	5.6	11
42	Protein intake for athletes and active adults: Current concepts and controversies. <i>Nutrition Bulletin</i> , 2016 , 41, 202-213	3.5	10
41	Effect of Heavy Resisted Sled Sprint Training During the Competitive Season on Sprint and Change-of-Direction Performance in Professional Soccer Players. <i>International Journal of Sports Physiology and Performance</i> , 2019 , 14, 1066-1073	3.5	9
40	Transient increase in homocysteine but not hyperhomocysteinemia during acute exercise at different intensities in sedentary individuals. <i>PLoS ONE</i> , 2012 , 7, e51185	3.7	9
39	Does supplementation with leucine-enriched protein alone and in combination with fish-oil-derived n-3 PUFA affect muscle mass, strength, physical performance, and muscle protein synthesis in well-nourished older adults? A randomized, double-blind, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 1411-1427	7	8
38	Fetal growth and maternal alcohol consumption during early pregnancy. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019 , 236, 148-153	2.4	7
37	AMPK β is dispensable for skeletal muscle hypertrophy induced by functional overload. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E461-72	6	7

36	Higher rate of fat oxidation during rowing compared with cycling ergometer exercise across a range of exercise intensities. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 630-7	4.6	7
35	A National Audit of Smoking Cessation Services in Irish Maternity Units. <i>Irish Medical Journal</i> , 2017 , 110, 580	0.7	7
34	Comparison of Sprint Interval and Endurance Training in Team Sport Athletes. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 3051-3058	3.2	6
33	Effects of 8 wk of 16:8 Time-restricted Eating in Male Middle- and Long-Distance Runners. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 633-642	1.2	6
32	Co-ingestion of protein or a protein hydrolysate with carbohydrate enhances anabolic signaling, but not glycogen resynthesis, following recovery from prolonged aerobic exercise in trained cyclists. <i>European Journal of Applied Physiology</i> , 2018 , 118, 349-359	3.4	6
31	Self-Reported Prevalence, Magnitude, and Methods of Rapid Weight Loss in Male and Female Competitive Powerlifters. <i>Journal of Strength and Conditioning Research</i> , 2020 ,	3.2	6
30	Reliability of the Maximal Resisted Sprint Load Test and Relationships With Performance Measures and Anthropometric Profile in Female Field Sport Athletes. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 1703-1713	3.2	6
29	The glucose-lowering effects of exogenous ketones: is there therapeutic potential?. <i>Journal of Physiology</i> , 2018 , 596, 1317-1318	3.9	5
28	A prospective, observational study investigating the use of carbon monoxide screening to identify maternal smoking in a large university hospital in Ireland. <i>BMJ Open</i> , 2018 , 8, e022089	3	5
27	Exogenous Ketone Salts Do Not Improve Cognitive Performance During a Dual-Stress Challenge. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019 , 1-8	4.4	4
26	Acute ingestion of beetroot juice does not improve repeated sprint performance in male team sport athletes. <i>Proceedings of the Nutrition Society</i> , 2016 , 75,	2.9	4
25	The implications of high carbon monoxide levels in early pregnancy for neonatal outcomes. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019 , 233, 6-11	2.4	4
24	Increased Leg Strength After Concurrent Aerobic and Resistance Exercise Training in Older Adults Is Augmented by a Whole Food-Based High Protein Diet Intervention. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 653962	2.3	4
23	Maternal Weight Trajectories in Successive Pregnancies and Their Association With Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2020 , 43, e33-e34	14.6	3
22	Longitudinal Study of Maternal BMI in Successive Pregnancies. <i>Obesity</i> , 2020 , 28, 460-467	8	3
21	Comparison of hot water immersion at 37.8°C with or without salt for rapid weight loss in mixed martial arts athletes. <i>Journal of Sports Sciences</i> , 2020 , 38, 607-611	3.6	3
20	Changes in body composition and substrate utilization after a short-term ketogenic diet in endurance-trained males. <i>Biology of Sport</i> , 2021 , 38, 145-152	4.3	3
19	Case Study: Transition to a Vegan Diet in an Elite Male Gaelic Football Player. <i>Sports</i> , 2021 , 9,	3	3

18	Regulation of GLUT4 translocation in an in vitro cell model using postprandial human serum ex vivo. <i>Experimental Physiology</i> , 2019 , 104, 800-807	2.4	2
17	Acute ingestion of beetroot juice does not improve short-duration repeated sprint running performance in male team sport athletes. <i>Journal of Sports Sciences</i> , 2020 , 38, 2063-2070	3.6	2
16	Prevalence of hormonal contraceptive use and reported side effects of the menstrual cycle and hormonal contraceptive use in powerlifting and rugby.. <i>Physician and Sportsmedicine</i> , 2022 , 1-6	2.4	2
15	Endurance exercise training-responsive miR-19b-3p improves skeletal muscle glucose metabolism. <i>Nature Communications</i> , 2021 , 12, 5948	17.4	2
14	Effects of a Long Chain n-3 Polyunsaturated Fatty Acid-rich Multi-ingredient Nutrition Supplement on Body Composition and Physical Function in Older Adults with Low Skeletal Muscle Mass. <i>Journal of Dietary Supplements</i> , 2021 , 1-16	2.3	2
13	The Between-Competition Running Demands of Elite Hurling Match-Play. <i>Sports</i> , 2021 , 9,	3	1
12	Exercise Training and Circulating Small Extracellular Vesicles: Appraisal of Methodological Approaches and Current Knowledge. <i>Frontiers in Physiology</i> , 2021 , 12, 738333	4.6	1
11	The interaction between maternal smoking, illicit drug use and alcohol consumption associated with neonatal outcomes. <i>Journal of Public Health</i> , 2020 , 42, 277-284	3.5	1
10	Comparison of hot water immersion at self-adjusted maximum tolerable temperature, with or without the addition of salt, for rapid weight loss in mixed martial arts athletes. <i>Biology of Sport</i> , 2021 , 38, 89-96	4.3	1
9	Interindividual variability in response to protein and fish oil supplementation in older adults: a randomized controlled trial.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	1
8	Feasibility of recruitment to a behavioural smoking cessation intervention combined with ongoing online support. <i>European Journal of Public Health</i> , 2019 , 29, 170-172	2.1	0
7	No Effect of a Ketone Monoester on Markers of Stress and Performance in a Live-Burn Search and Rescue in Firefighters.. <i>Journal of Strength and Conditioning Research</i> , 2022 , 36, 763-771	3.2	0
6	Increases in protein intake, protein distribution score, and micronutrient intakes in older adults in response to a whole food-based dietary intervention. <i>Aging Clinical and Experimental Research</i> , 2021 , 1	4.8	0
5	Effects of acute ingestion of whey protein with or without prior aerobic exercise on postprandial glycemia in type 2 diabetics. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1959-1968	3.4	0
4	Plasma Creatine Kinetics After Ingestion of Microencapsulated Creatine Monohydrate with Enhanced Stability in Aqueous Solutions. <i>Journal of Dietary Supplements</i> , 2017 , 14, 433-445	2.3	
3	Starting blocks: The biochemical basis of contraction-induced signal transduction in skeletal muscle. <i>Biochemist</i> , 2012 , 34, 12-19	0.5	
2	A longitudinal, observational study of women who persisted in smoking in successive pregnancies. <i>Journal of Public Health</i> , 2020 , 42, e18-e25	3.5	
1	Increased Lean Body Mass After Bodyweight-Based High Intensity Interval Training in Overweight and Obese Men.. <i>Research Quarterly for Exercise and Sport</i> , 2022 , 1-9	1.9	

