Stephen J Bailey

List of Publications by Year
in descending order

122 papers	9,599 citations	76031 42 h-index	45040 94 g-index
122 all docs	122 docs citations	122 times ranked	8649 citing authors

#	Article	IF	Citations
1	The Effect of Nitrate-Rich Beetroot Juice on Markers of Exercise-Induced Muscle Damage: A Systematic Review and Meta-Analysis of Human Intervention Trials. Journal of Dietary Supplements, 2022, 19, 749-771.	1.4	16
2	The effect of dietary (poly)phenols on exercise-induced physiological adaptations: A systematic review and meta-analysis of human intervention trials. Critical Reviews in Food Science and Nutrition, 2022, 62, 2872-2887.	5.4	9
3	Effect of nitrate supplementation on skeletal muscle motor unit activity during isometric blood flow restriction exercise. European Journal of Applied Physiology, 2022, 122, 1683-1693.	1.2	5
4	Beetroot juice supplementation increases concentric and eccentric muscle power output. Original investigation. Journal of Science and Medicine in Sport, 2021, 24, 80-84.	0.6	22
5	Effects of home confinement on mental health and lifestyle behaviours during the COVID-19 outbreak: Insight from the ECLB-COVID19 multicenter study. Biology of Sport, 2021, 38, 9-21.	1.7	255
6	Oral nitrate reduction is not impaired after training in chlorinated swimming pool water in elite swimmers. Applied Physiology, Nutrition and Metabolism, 2021, 46, 86-89.	0.9	3
7	Influence of Dietary Nitrate Supplementation on High-Intensity Intermittent Running Performance at Different Doses of Normobaric Hypoxia in Endurance-Trained Males. International Journal of Sport Nutrition and Exercise Metabolism, 2021, 31, 1-8.	1.0	4
8	The effects of local versus systemic passive heating on the acute inflammatory, vascular and glycaemic response. Applied Physiology, Nutrition and Metabolism, 2021, 46, 1-11.	0.9	8
9	Globally altered sleep patterns and physical activity levels by confinement in 5056 individuals: ECLB COVID-19 international online survey. Biology of Sport, 2021, 38, 495-506.	1.7	124
10	The effect of dietary phytochemicals on nuclear factor erythroid 2-related factor 2 (Nrf2) activation: a systematic review of human intervention trials. Molecular Biology Reports, 2021, 48, 1745-1761.	1.0	33
11	Independent and combined impact of hypoxia and acute inorganic nitrate ingestion on thermoregulatory responses to the cold. European Journal of Applied Physiology, 2021, 121, 1207-1218.	1.2	2
12	Caffeine improves performance but not duration of the countermovement jump phases. Journal of Sports Medicine and Physical Fitness, 2021, 61, 199-204.	0.4	6
13	Sleep Quality and Physical Activity as Predictors of Mental Wellbeing Variance in Older Adults during COVID-19 Lockdown: ECLB COVID-19 International Online Survey. International Journal of Environmental Research and Public Health, 2021, 18, 4329.	1.2	100
14	Dietary nitrate and population health: a narrative review of the translational potential of existing laboratory studies. BMC Sports Science, Medicine and Rehabilitation, 2021, 13, 65.	0.7	14
15	Influence of Sex and Acute Beetroot Juice Supplementation on 2 KM Running Performance. Applied Sciences (Switzerland), 2021, 11, 977.	1.3	7
16	Is walking netball an effective, acceptable and feasible method to increase physical activity and improve health in middle- to older age women?: A RE-AIM evaluation. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 136.	2.0	3
17	CFTR limits Fâ€actin formation and promotes morphological alignment with flow in human lung microvascular endothelial cells. Physiological Reports, 2021, 9, e15128.	0.7	1
18	Effect of Beetroot Juice Supplementation on Mood, Perceived Exertion, and Performance During a 30-Second Wingate Test. International Journal of Sports Physiology and Performance, 2020, 15, 243-248.	1.1	42

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19	The Effect of Dietary Nitrate Supplementation on Isokinetic Torque in Adults: A Systematic Review and Meta-Analysis. Nutrients, 2020, 12, 3022.	1.7	5
20	Effects of Dietary Nitrate Supplementation on Weightlifting Exercise Performance in Healthy Adults: A Systematic Review. Nutrients, 2020, 12, 2227.	1.7	18
21	COVID-19 Home Confinement Negatively Impacts Social Participation and Life Satisfaction: A Worldwide Multicenter Study. International Journal of Environmental Research and Public Health, 2020, 17, 6237.	1.2	301
22	The nitric oxide dependence of cutaneous microvascular function to independent and combined hypoxic cold exposure. Journal of Applied Physiology, 2020, 129, 947-956.	1.2	3
23	Effects of COVID-19 Home Confinement on Eating Behaviour and Physical Activity: Results of the ECLB-COVID19 International Online Survey. Nutrients, 2020, 12, 1583.	1.7	1,414
24	Impact of a novel home-based exercise intervention on health indicators in inactive premenopausal women: a 12-week randomised controlled trial. European Journal of Applied Physiology, 2020, 120, 771-782.	1.2	14
25	Effects of natural polyphenol-rich pomegranate juice on the acute and delayed response of Homocysteine and steroidal hormones following weightlifting exercises: a double-blind, placebo-controlled trial. Journal of the International Society of Sports Nutrition, 2020, 17, 15.	1.7	11
26	Reply from Stephen J. Bailey, Paulo G. Gandra, Andrew M. Jones, Michael C. Hogan and Leonardo Nogueira. Journal of Physiology, 2020, 598, 1643-1644.	1.3	0
27	Circulating biomarkers of antioxidant status and oxidative stress in people with cystic fibrosis: A systematic review and meta-analysis. Redox Biology, 2020, 32, 101436.	3.9	35
28	Influence of muscle oxygenation and nitrate-rich beetroot juice supplementation on O2 uptake kinetics and exercise tolerance. Nitric Oxide - Biology and Chemistry, 2020, 99, 25-33.	1.2	10
29	Effects of natural polyphenol-rich pomegranate juice supplementation on plasma ion and lipid profiles following resistance exercise: a placebo-controlled trial. Nutrition and Metabolism, 2020, 17, 31.	1.3	5
30	Psychological consequences of COVID-19 home confinement: The ECLB-COVID19 multicenter study. PLoS ONE, 2020, 15, e0240204.	1.1	214
31	Psychological consequences of COVID-19 home confinement: The ECLB-COVID19 multicenter study. , 2020, 15, e0240204.		0
32	Psychological consequences of COVID-19 home confinement: The ECLB-COVID19 multicenter study. , 2020, 15, e0240204.		0
33	Psychological consequences of COVID-19 home confinement: The ECLB-COVID19 multicenter study. , 2020, 15, e0240204.		0
34	Psychological consequences of COVID-19 home confinement: The ECLB-COVID19 multicenter study. , 2020, 15, e0240204.		0
35	Acute ibuprofen ingestion does not attenuate fatigue during maximal intermittent knee extensor or all-out cycling exercise. Applied Physiology, Nutrition and Metabolism, 2019, 44, 208-215.	0.9	5
36	â€œBeetâ€•the cold: beetroot juice supplementation improves peripheral blood flow, endothelial function, and anti-inflammatory status in individuals with Raynaudâ€™s phenomenon. Journal of Applied Physiology, 2019, 127, 1478-1490.	1.2	25

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37	Dynamics of the power-duration relationship during prolonged endurance exercise and influence of carbohydrate ingestion. Journal of Applied Physiology, 2019, 127, 726-736.	1.2	35
38	The Efficacy of Administering Fruit-Derived Polyphenols to Improve Health Biomarkers, Exercise Performance and Related Physiological Responses. Nutrients, 2019, 11, 2389.	1.7	36
39	Incubation with sodium nitrite attenuates fatigue development in intact single mouse fibres at physiological. Journal of Physiology, 2019, 597, 5429-5443.	1.3	40
40	Independent and Combined Effects of All-Out Sprint and Low-Intensity Continuous Exercise on Plasma Oxidative Stress Biomarkers in Trained Judokas. Frontiers in Physiology, 2019, 10, 842.	1.3	15
41	Contralateral fatigue during severe-intensity single-leg exercise: influence of acute acetaminophen ingestion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R346-R354.	0.9	9
42	Changes in the power-duration relationship following prolonged exercise: estimation using conventional and all-out protocols and relationship with muscle glycogen. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R59-R67.	0.9	21
43	Effects of Playing Surface on Physical, Physiological, and Perceptual Responses to a Repeated-Sprint Ability Test: Natural Grass Versus Artificial Turf. International Journal of Sports Physiology and Performance, 2019, 14, 1219-1226.	1.1	4
44	No Effect of Beetroot Juice Supplementation on 100-m and 200-m Swimming Performance in Moderately Trained Swimmers. International Journal of Sports Physiology and Performance, 2019, 14, 706-710.	1.1	16
45	Time-trial performance is not impaired in either competitive athletes or untrained individuals following a prolonged cognitive task. European Journal of Applied Physiology, 2019, 119, 149-161.	1.2	16
46	Road cycle TT performance: Relationship to the power-duration model and association with FTP. Journal of Sports Sciences, 2019, 37, 902-910.	1.0	29
47	Acetaminophen ingestion improves muscle activation and performance during a 3-min all-out cycling test. Applied Physiology, Nutrition and Metabolism, 2019, 44, 434-442.	0.9	15
48	Lowering of blood pressure after nitrate-rich vegetable consumption is abolished with the co-ingestion of thiocyanate-rich vegetables in healthy normotensive males. Nitric Oxide - Biology and Chemistry, 2018, 74, 39-46.	1.2	23
49	Effects of Two Hours of Heavy-Intensity Exercise on the Powerâ€“Duration Relationship. Medicine and Science in Sports and Exercise, 2018, 50, 1658-1668.	0.2	39
50	Acute acetaminophen ingestion improves performance and muscle activation during maximal intermittent knee extensor exercise. European Journal of Applied Physiology, 2018, 118, 595-605.	1.2	20
51	A high-sensitivity electrochemiluminescence-based ELISA for the measurement of the oxidative stress biomarker, 3-nitrotyrosine, in human blood serum and cells. Free Radical Biology and Medicine, 2018, 120, 246-254.	1.3	20
52	Improvement of Oxygen-Uptake Kinetics and Cycling Performance With Combined Prior Exercise and Fast Start. International Journal of Sports Physiology and Performance, 2018, 13, 305-312.	1.1	5
53	Ischemic preconditioning enhances critical power during a 3 minute all-out cycling test. Journal of Sports Sciences, 2018, 36, 1038-1043.	1.0	23
54	Effects of pomegranate supplementation on exercise performance and post-exercise recovery in healthy adults: a systematic review. British Journal of Nutrition, 2018, 120, 1201-1216.	1.2	43

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55	Influence of dietary nitrate supplementation on local sweating and cutaneous vascular responses during exercise in a hot environment. European Journal of Applied Physiology, 2018, 118, 1579-1588.	1.2	11
56	Critical power is positively related to skeletal muscle capillarity and type I muscle fibers in endurance-trained individuals. Journal of Applied Physiology, 2018, 125, 737-745.	1.2	54
57	Discrete physiological effects of beetroot juice and potassium nitrate supplementation following 4-wk sprint interval training. Journal of Applied Physiology, 2018, 124, 1519-1528.	1.2	22
58	The Effects of Î²-Alanine Supplementation on Muscle pH and the Power-Duration Relationship during High-Intensity Exercise. Frontiers in Physiology, 2018, 9, 111.	1.3	14
59	Beetroot juice ingestion during prolonged moderate-intensity exercise attenuates progressive rise in O₂ uptake. Journal of Applied Physiology, 2018, 124, 1254-1263.	1.2	24
60	Nitrate and Exercise Performance. , 2017, , 293-310.		1
61	Influence of dietary nitrate supplementation on physiological and muscle metabolic adaptations to sprint interval training. Journal of Applied Physiology, 2017, 122, 642-652.	1.2	40
62	Muscle metabolic and neuromuscular determinants of fatigue during cycling in different exercise intensity domains. Journal of Applied Physiology, 2017, 122, 446-459.	1.2	180
63	Influence of iodide ingestion on nitrate metabolism and blood pressure following short-term dietary nitrate supplementation in healthy normotensive adults. Nitric Oxide - Biology and Chemistry, 2017, 63, 13-20.	1.2	8
64	The Effects of Mental Fatigue on Physical Performance: A Systematic Review. Sports Medicine, 2017, 47, 1569-1588.	3.1	472
65	Effects of dietary nitrate supplementation on the response to extremity cooling and endothelial function in individuals with cold sensitivity. A double blind, placebo controlled, crossover, randomised control trial. Nitric Oxide - Biology and Chemistry, 2017, 70, 76-85.	1.2	15
66	Effects of self-paced interval and continuous training on health markers in women. European Journal of Applied Physiology, 2017, 117, 2281-2293.	1.2	30
67	The effect of dietary nitrate supplementation on the spatial heterogeneity of quadriceps deoxygenation during heavy-intensity cycling. Physiological Reports, 2017, 5, e13340.	0.7	11
68	Effects of Pomegranate Juice Supplementation on Oxidative Stress Biomarkers Following Weightlifting Exercise. Nutrients, 2017, 9, 819.	1.7	56
69	Two weeks of watermelon juice supplementation improves nitric oxide bioavailability but not endurance exercise performance in humans. Nitric Oxide - Biology and Chemistry, 2016, 59, 10-20.	1.2	67
70	Fiber Type-Specific Effects of Dietary Nitrate. Exercise and Sport Sciences Reviews, 2016, 44, 53-60.	1.6	107
71	Dose-dependent effects of dietary nitrate on the oxygen cost of moderate-intensity exercise: Acute vs. chronic supplementation. Nitric Oxide - Biology and Chemistry, 2016, 57, 30-39.	1.2	55
72	Dietary nitrate supplementation attenuates the reduction in exercise tolerance following blood donation. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1520-H1529.	1.5	12

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73	Effects of Priming and Pacing Strategy on Oxygen-Uptake Kinetics and Cycling Performance. International Journal of Sports Physiology and Performance, 2016, 11, 440-447.	1.1	9
74	The constant work rate critical power protocol overestimates ramp incremental exercise performance. European Journal of Applied Physiology, 2016, 116, 2415-2422.	1.2	13
75	Improvement in blood pressure after short-term inorganic nitrate supplementation is attenuated in cigarette smokers compared to non-smoking controls. Nitric Oxide - Biology and Chemistry, 2016, 61, 29-37.	1.2	22
76	Dietary nitrate supplementation improves sprint and high-intensity intermittent running performance. Nitric Oxide - Biology and Chemistry, 2016, 61, 55-61.	1.2	87
77	Influence of beetroot juice supplementation on intermittent exercise performance. European Journal of Applied Physiology, 2016, 116, 415-425.	1.2	86
78	Cycling on a Bike Desk Positively Influences Cognitive Performance. PLoS ONE, 2016, 11, e0165510.	1.1	31
79	On the mechanism by which dietary nitrate improves human skeletal muscle function. Frontiers in Physiology, 2015, 6, 211.	1.3	45
80	Inorganic nitrate supplementation improves muscle oxygenation, O₂uptake kinetics, and exercise tolerance at high but not low pedal rates. Journal of Applied Physiology, 2015, 118, 1396-1405.	1.2	97
81	Self-pacing increases critical power and improves performance during severe-intensity exercise. Applied Physiology, Nutrition and Metabolism, 2015, 40, 662-670.	0.9	68
82	<scp>l</scp>-Citrulline supplementation improves O₂ uptake kinetics and high-intensity exercise performance in humans. Journal of Applied Physiology, 2015, 119, 385-395.	1.2	94
83	Dietary nitrate supplementation: effects on plasma nitrite and pulmonary O₂ uptake dynamics during exercise in hypoxia and normoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R920-R930.	0.9	92
84	Influence of All-Out Start Duration on Pulmonary Oxygen Uptake Kinetics and High-Intensity Exercise Performance. Journal of Strength and Conditioning Research, 2014, 28, 2187-2194.	1.0	3
85	Effects of interval and continuous training on O₂ uptake kinetics during severe-intensity exercise initiated from an elevated metabolic baseline. Journal of Applied Physiology, 2014, 116, 1068-1077.	1.2	11
86	Dietary nitrate supplementation improves team sport-specific intense intermittent exercise performance. European Journal of Applied Physiology, 2013, 113, 1673-1684.	1.2	178
87	Influence of Dietary Nitrate Supplementation on Exercise Tolerance and Performance. Nestle Nutrition Institute Workshop Series, 2013, 75, 27-40.	1.5	16
88	No effect of acute l-arginine supplementation on O2 cost or exercise tolerance. European Journal of Applied Physiology, 2013, 113, 1805-1819.	1.2	31
89	Influence of dietary nitrate supplementation on human skeletal muscle metabolism and force production during maximum voluntary contractions. Pflugers Archiv European Journal of Physiology, 2013, 465, 517-528.	1.3	88
90	Muscle metabolic determinants of exercise tolerance following exhaustion: relationship to the â€œcritical powerâ€• Journal of Applied Physiology, 2013, 115, 243-250.	1.2	57

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91	$$ dot{V}_{{{ext{O}}_{2} { max }}} $$ is not altered by self-pacing during incremental exercise. European Journal of Applied Physiology, 2013, 113, 529-539.	1.2	49
92	$$ {dot{V}}{ext{O}}_{2max } $$ is not altered by self-pacing during incremental exercise: reply to the letter of Alexis R. Mauger. European Journal of Applied Physiology, 2013, 113, 543-544.	1.2	10
93	Beetroot juice supplementation speeds O₂uptake kinetics and improves exercise tolerance during severe-intensity exercise initiated from an elevated metabolic rate. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1441-R1450.	0.9	122
94	Muscle metabolic responses during high-intensity intermittent exercise measured by³¹P-MRS: relationship to the critical power concept. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1085-R1092.	0.9	40
95	Beetroot juice and exercise: pharmacodynamic and dose-response relationships. Journal of Applied Physiology, 2013, 115, 325-336.	1.2	363
96	Effects of short-term dietary nitrate supplementation on blood pressure, O₂uptake kinetics, and muscle and cognitive function in older adults. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R73-R83.	0.9	184
97	Effects of Pacing Strategy on Work Done above Critical Power during High-Intensity Exercise. Medicine and Science in Sports and Exercise, 2013, 45, 1377-1385.	0.2	47
98	Exercise Tolerance in Intermittent Cycling. Medicine and Science in Sports and Exercise, 2012, 44, 966-976.	0.2	60
99	Dietary Nitrate and O₂ Consumption during Exercise. Medicine and Sport Science, 2012, 59, 29-35.	1.4	19
100	Influence of passive lower-body heating on muscle metabolic perturbation and high-intensity exercise tolerance in humans. European Journal of Applied Physiology, 2012, 112, 3569-3576.	1.2	8
101	Influence of acute dietary nitrate supplementation on 50 mile time trial performance in well-trained cyclists. European Journal of Applied Physiology, 2012, 112, 4127-4134.	1.2	179
102	The nitrateâ€“nitriteâ€“nitric oxide pathway: Its role in human exercise physiology. European Journal of Sport Science, 2012, 12, 309-320.	1.4	75
103	Dietary nitrate supplementation reduces the O₂cost of walking and running: a placebo-controlled study. Journal of Applied Physiology, 2011, 110, 591-600.	1.2	335
104	Fast-Start Strategy Improves VË™O2 Kinetics and High-Intensity Exercise Performance. Medicine and Science in Sports and Exercise, 2011, 43, 457-467.	0.2	61
105	Reply to Lundberg, Larsen, and Weitzberg. Journal of Applied Physiology, 2011, 111, 619-619.	1.2	5
106	Dietary nitrate reduces muscle metabolic perturbation and improves exercise tolerance in hypoxia. Journal of Physiology, 2011, 589, 5517-5528.	1.3	170
107	Influence of N-acetylcysteine administration on pulmonary O2 uptake kinetics and exercise tolerance in humans. Respiratory Physiology and Neurobiology, 2011, 175, 121-129.	0.7	23
108	Muscle fiber recruitment and the slow component of O₂uptake: constant work rate vs. all-out sprint exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R700-R707.	0.9	141

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109	Acute Dietary Nitrate Supplementation Improves Cycling Time Trial Performance. Medicine and Science in Sports and Exercise, 2011, 43, 1125-1131.	0.2	292
110	Priming exercise speeds pulmonary O₂ uptake kinetics during supine â€œwork-to-workâ€• high-intensity cycle exercise. Journal of Applied Physiology, 2010, 108, 283-292.	1.2	31
111	Influence of priming exercise on muscle [PCr] and pulmonary O2 uptake dynamics during â€˜work-to-workâ€™ knee-extension exercise. Respiratory Physiology and Neurobiology, 2010, 172, 15-23.	0.7	24
112	Influence of body position on muscle deoxy[Hb+Mb] during ramp cycle exercise. Respiratory Physiology and Neurobiology, 2010, 173, 138-145.	0.7	30
113	Inspiratory muscle training enhances pulmonary O2 uptake kinetics and high-intensity exercise tolerance in humans. Journal of Applied Physiology, 2010, 109, 457-468.	1.2	75
114	Elevated baseline V̀‡<scp>o</scp>₂ per se does not slow O₂ uptake kinetics during work-to-work exercise transitions. Journal of Applied Physiology, 2010, 109, 1148-1154.	1.2	27
115	Dietary nitrate supplementation enhances muscle contractile efficiency during knee-extensor exercise in humans. Journal of Applied Physiology, 2010, 109, 135-148.	1.2	484
116	Acute <scp>l</scp>-arginine supplementation reduces the O₂ cost of moderate-intensity exercise and enhances high-intensity exercise tolerance. Journal of Applied Physiology, 2010, 109, 1394-1403.	1.2	108
117	Acute and chronic effects of dietary nitrate supplementation on blood pressure and the physiological responses to moderate-intensity and incremental exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1121-R1131.	0.9	403
118	Optimizing the â€œprimingâ€•effect: influence of prior exercise intensity and recovery duration on O₂ uptake kinetics and severe-intensity exercise tolerance. Journal of Applied Physiology, 2009, 107, 1743-1756.	1.2	120
119	Influence of priming exercise on pulmonary O₂uptake kinetics during transitions to high-intensity exercise at extreme pedal rates. Journal of Applied Physiology, 2009, 106, 432-442.	1.2	17
120	Dietary nitrate supplementation reduces the O₂cost of low-intensity exercise and enhances tolerance to high-intensity exercise in humans. Journal of Applied Physiology, 2009, 107, 1144-1155.	1.2	603
121	Influence of extreme pedal rates on pulmonary O2 uptake kinetics during transitions to high-intensity exercise from an elevated baseline. Respiratory Physiology and Neurobiology, 2009, 169, 16-23.	0.7	14
122	Influence of repeated sprint training on pulmonary O₂ uptake and muscle deoxygenation kinetics in humans. Journal of Applied Physiology, 2009, 106, 1875-1887.	1.2	150