Nicholas F Sculthorpe

List of Publications by Year
in descending order

80	2,230	201385 27	243296 44
papers	citations	h-index	g-index

84	84	84	2882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Should We Use Activity Tracker Data From Smartphones and Wearables to Understand Population Physical Activity Patterns?. Journal for the Measurement of Physical Behaviour, 2022, 5, 3-7.	0.5	8
2	Blood lactate concentrations during rest and exercise in people with Multiple Sclerosis: A systematic review and meta-analysis. Multiple Sclerosis and Related Disorders, 2022, 57, 103454.	0.9	3
3	Effect of longâ€term soccer training on changes in cardiac function during exercise in elite youth soccer players. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 892-902.	1.3	6
4	A Personalized Smartphone-Delivered Just-in-time Adaptive Intervention (JitaBug) to Increase Physical Activity in Older Adults: Mixed Methods Feasibility Study. JMIR Formative Research, 2022, 6, e34662.	0.7	16
5	A novel simplified biomechanical assessment of the heel pad during foot plantarflexion. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 197-207.	1.0	5
6	Exercise-Induced Cardiac Fatigue after a 45-Minute Bout of High-Intensity Running Exercise Is Not Altered under Hypoxia. Journal of the American Society of Echocardiography, 2021, 34, 511-521.	1.2	12
7	Cardiovascular responses during submaximal cycling with and without left-lateral tilting: insights for practical applications of stress echocardiography. Applied Physiology, Nutrition and Metabolism, 2021, 46, 178-181.	0.9	1
8	The influence of training status on right ventricular morphology and segmental strain in elite pre-adolescent soccer players. European Journal of Applied Physiology, 2021, 121, 1419-1429.	1.2	7
9	Electromyographic Assessment of the Lower Leg Muscles during Concentric and Eccentric Phases of Standing Heel Raise. Healthcare (Switzerland), 2021, 9, 465.	1.0	2
10	Six weeks of high intensity interval training (HIIT) facilitates a four year preservation of aerobic capacity in sedentary older males: A reunion study. Experimental Gerontology, 2021, 150, 111373.	1.2	6
11	High Intensity Interval Training (HIIT) as a Potential Countermeasure for Phenotypic Characteristics of Sarcopenia: A Scoping Review. Frontiers in Physiology, 2021, 12, 715044.	1.3	11
12	Acute exercise-induced changes in cardiac function relates to right ventricular remodeling following 12-wk hypoxic exercise training. Journal of Applied Physiology, 2021, 131, 511-519.	1.2	2
13	Short-Term and Lifelong Exercise Training Lowers Inflammatory Mediators in Older Men. Frontiers in Physiology, 2021, 12, 702248.	1.3	5
14	More Than 100 Persistent Symptoms of SARS-CoV-2 (Long COVID): A Scoping Review. Frontiers in Medicine, 2021, 8, 750378.	1.2	93
15	A comparison of activity levels of girls in single-gender and mixed-gender physical education. European Physical Education Review, 2020, 26, 231-240.	1.2	17
16	Evaluating functional electrical stimulation (FES) cycling on cardiovascular, musculoskeletal and functional outcomes in adults with multiple sclerosis and mobility impairment: A systematic review. Multiple Sclerosis and Related Disorders, 2020, 37, 101485.	0.9	12
17	Superior cardiac mechanics without structural adaptations in pre-adolescent soccer players. European Journal of Preventive Cardiology, 2020, 27, 1494-1501.	0.8	10
18	High intensity interval training (HIIT) produces small improvements in fasting glucose, insulin, and insulin resistance in sedentary older men but not masters athletes. Experimental Gerontology, 2020, 140, 111074.	1.2	10

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19	Sex differences in heel pad stiffness during in vivo loading and unloading. Journal of Anatomy, 2020, 237, 520-528.	0.9	5
20	Electrocardiogram-Based Timings Cause Systematic Errors in Vascular Strain Measures: A Method for Error Correction and Estimation of Pulse Transit Time. Journal of the American Society of Echocardiography, 2020, 33, 636-638.	1.2	1
21	Long-term athletic training does not alter age-associated reductions of left-ventricular mid-diastolic lengthening or expansion at rest. European Journal of Applied Physiology, 2020, 120, 2059-2073.	1.2	1
22	The effect of varying intensities of lower limb eccentric muscle contractions on left ventricular function. European Journal of Applied Physiology, 2020, 120, 539-548.	1.2	2
23	High Intensity Interval Training (HIIT) Improves Cardiorespiratory Fitness (CRF) in Healthy, Overweight and Obese Adolescents: A Systematic Review and Meta-Analysis of Controlled Studies. International Journal of Environmental Research and Public Health, 2020, 17, 2955.	1.2	55
24	Nitrate-rich beetroot juice offsets salivary acidity following carbohydrate ingestion before and after endurance exercise in healthy male runners. PLoS ONE, 2020, 15, e0243755.	1.1	11
25	Long-Term Aerobic Exercise Improves Vascular Function Into Old Age: A Systematic Review, Meta-Analysis and Meta Regression of Observational and Interventional Studies. Frontiers in Physiology, 2019, 10, 31.	1.3	32
26	Dietary nitrate supplementation alters the oral microbiome but does not improve the vascular responses to an acute nitrate dose. Nitric Oxide - Biology and Chemistry, 2019, 89, 54-63.	1.2	49
27	Lower limb ischemic preconditioning combined with dietary nitrate supplementation does not influence time-trial performance in well-trained cyclists. Journal of Science and Medicine in Sport, 2019, 22, 852-857.	0.6	4
28	Sprint Interval Training and the School Curriculum: Benefits Upon Cardiorespiratory Fitness, Physical Activity Profiles, and Cardiometabolic Risk Profiles of Healthy Adolescents. Pediatric Exercise Science, 2019, 31, 296-305.	0.5	17
29	Aerobic Training Protects Cardiac Function During Advancing Age: A Meta-Analysis of Four Decades of Controlled Studies. Sports Medicine, 2019, 49, 199-219.	3.1	11
30	Variability in nitrate-reducing oral bacteria and nitric oxide metabolites in biological fluids following dietary nitrate administration: An assessment of the critical difference. Nitric Oxide - Biology and Chemistry, 2019, 83, 1-10.	1.2	42
31	Global and regional left ventricular circumferential strain during incremental cycling and isometric knee extension exercise. Echocardiography, 2018, 35, 1149-1156.	0.3	1
32	Salivary nitrite production is elevated in individuals with a higher abundance of oral nitrate-reducing bacteria. Free Radical Biology and Medicine, 2018, 120, 80-88.	1.3	73
33	High intensity interval training (HIIT) improves resting blood pressure, metabolic (MET) capacity and heart rate reserve without compromising cardiac function in sedentary aging men. Experimental Gerontology, 2018, 109, 75-81.	1.2	69
34	Caucasian and south Asian men show equivalent improvements in surrogate biomarkers of cardiovascular and metabolic health following 6-weeks of supervised resistance training. F1000Research, 2018, 7, 1334.	0.8	2
35	Cardiac Response to Exercise in Normal Ageing: What Can We Learn from Masters Athletes?. Current Cardiology Reviews, 2018, 14, 245-253.	0.6	10
36	Text Messaging Interventions for Improvement in Physical Activity and Sedentary Behavior in Youth: Systematic Review. JMIR MHealth and UHealth, 2018, 6, e10799.	1.8	71

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37	Caucasian and south Asian men show equivalent improvements in surrogate biomarkers of cardiovascular and metabolic health following 6-weeks of supervised resistance training. F1000Research, 2018, 7, 1334.	0.8	3
38	The effects of dietary nitrate supplementation on the adaptations to sprint interval training in previously untrained males. Journal of Science and Medicine in Sport, 2017, 20, 92-97.	0.6	26
39	Strength adaptation to squat exercise is different between Caucasian and South Asian novice exercisers. Research in Sports Medicine, 2017, 25, 373-383.	0.7	6
40	One session of high-intensity interval training (HIIT) every 5 days, improves muscle power but not static balance in lifelong sedentary ageing men. Medicine (United States), 2017, 96, e6040.	0.4	51
41	Exercise training improves free testosterone in lifelong sedentary aging men. Endocrine Connections, 2017, 6, 306-310.	0.8	47
42	High-intensity interval training (HIIT) increases insulin-like growth factor-I (IGF-I) in sedentary aging men but not mastersâ€™ athletes: an observational study. Aging Male, 2017, 20, 54-59.	0.9	23
43	Left ventricular twist mechanics during incremental cycling and knee extension exercise in healthy men. European Journal of Applied Physiology, 2017, 117, 139-150.	1.2	8
44	Lifelong exercise, but not short-term high-intensity interval training, increases GDF11, a marker of successful aging: aÂpreliminary investigation. Physiological Reports, 2017, 5, e13343.	0.7	33
45	Evidence of direct cardiac damage following high-intensity exercise in chronic energy restriction. Medicine (United States), 2017, 96, e7030.	0.4	4
46	HIIT produces increases in muscle power and free testosterone in male masters athletes. Endocrine Connections, 2017, 6, 430-436.	0.8	34
47	Utility of three anthropometric indices in assessing the cardiometabolic risk profile in children. American Journal of Human Biology, 2017, 29, e22934.	0.8	5
48	Left Ventricular Speckle Tracking-Derived Cardiac Strain and Cardiac Twist Mechanics in Athletes: A Systematic Review and Meta-Analysis of Controlled Studies. Sports Medicine, 2017, 47, 1145-1170.	3.1	54
49	Left and right ventricular longitudinal strain-volume/area relationships in elite athletes. International Journal of Cardiovascular Imaging, 2016, 32, 1199-1211.	0.7	34
50	Prolonged androgenic anabolic steroid (AAS) induced QT interval shortening: a suitable screening tool?. Drug Testing and Analysis, 2016, 8, 120-122.	1.6	3
51	Testosterone enables growth and hypertrophy in fusion impaired myoblasts that display myotube atrophy: deciphering the role of androgen and IGF-I receptorsÂ. Biogerontology, 2016, 17, 619-639.	2.0	40
52	Observation of Ageâ€Related Decline in the Performance of the Transverse Abdominis Muscle. PM and R, 2016, 8, 45-50.	0.9	3
53	A commentary on â€œTestosterone and cortisol jointly modulate risk-takingâ€•by P.H. Mehta, K.M. Welker, S. Zilioli, J.M. Carre, Psychoneuroendocrinology, 2015, 56, 88â€“99. Psychoneuroendocrinology, 2016, 63, 380-381.	1.3	1
54	Neuromuscular Adaptation to Resistance Training Involving Compound Exercises is Different between Caucasians and South Asians.. Medicine and Science in Sports and Exercise, 2015, 47, 541.	0.2	0

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55	Lowâ€Frequency Highâ€Intensity Interval Training is an Effective Method to Improve Muscle Power in Lifelong Sedentary Aging Men: A Randomized Controlled Trial. Journal of the American Geriatrics Society, 2015, 63, 2412-2413.	1.3	12
56	Resting steroid hormone concentrations in lifetime exercisers and lifetime sedentary males. Aging Male, 2015, 18, 22-26.	0.9	28
57	Exercise-Induced Responses in Salivary Testosterone, Cortisol, and Their Ratios in Men: A Meta-Analysis. Sports Medicine, 2015, 45, 713-726.	3.1	81
58	Evidence from randomised controlled trials did not support the introduction of dietary fat guidelines in 1977 and 1983: a systematic review and meta-analysis. Open Heart, 2015, 2, e000196.	0.9	128
59	Age related vascular endothelial function following lifelong sedentariness: positive impact of cardiovascular conditioning without further improvement following low frequency high intensity interval training. Physiological Reports, 2015, 3, e12234.	0.7	23
60	Salivary testosterone measurement does not identify biochemical hypogonadism in aging men: a ROC analysis. Endocrine, 2015, 50, 256-259.	1.1	13
61	Impact of low-volume, high-intensity interval training on maximal aerobic capacity, health-related quality of life and motivation to exercise in ageing men. Age, 2015, 37, 25.	3.0	79
62	Re: Emotions, immunity and sport: Winner and loser athleteâ€™s profile of fighting sport. Brain, Behavior, and Immunity, 2015, 47, 238.	2.0	8
63	Acute whole body UVA irradiation combined with nitrate ingestion enhances time trial performance in trained cyclists. Nitric Oxide - Biology and Chemistry, 2015, 48, 3-9.	1.2	45
64	Exercising Caution: Prolonged Recovery from a Single Session of Highâ€Intensity Interval Training in Older Men. Journal of the American Geriatrics Society, 2015, 63, 817-818.	1.3	34
65	Poor levels of agreement between serum and saliva testosterone measurement following exercise training in aging men. Aging Male, 2015, 18, 67-70.	0.9	16
66	Six weeks of conditioning exercise increases total, but not free testosterone in lifelong sedentary aging men. Aging Male, 2015, 18, 195-200.	0.9	34
67	Sprint interval training (SIT) is an effective method to maintain cardiorespiratory fitness (CRF) and glucose homeostasis in Scottish adolescents. Biology of Sport, 2015, 32, 307-313.	1.7	16
68	Letter to the Editor: RE: Excessive Sugar Consumption May Be a Difficult Habit to Break: A View From the Brain and Body.. Journal of Clinical Endocrinology and Metabolism, 2015, 100, L56-L57.	1.8	1
69	The Effect of Different Environmental Conditions on the Decision-making Performance of Soccer Goal Line Officials. Research in Sports Medicine, 2014, 22, 425-437.	0.7	22
70	Exposure to hot and cold environmental conditions does not affect the decision making ability of soccer referees following an intermittent sprint protocol. Frontiers in Physiology, 2014, 5, 185.	1.3	16
71	Critical difference applied to exercise-induced salivary testosterone and cortisol using enzyme-linked immunosorbent assay (ELISA): distinguishing biological from statistical change. Journal of Physiology and Biochemistry, 2014, 70, 991-996.	1.3	22
72	Partial heat acclimation of athletes with spinal cord lesion. European Journal of Applied Physiology, 2013, 113, 109-115.	1.2	26

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73	Impaired hypertrophy in myoblasts is improved with testosterone administration. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 152-161.	1.2	33
74	Cardiovascular risk and androgenic anabolic steroids. British Journal of Cardiac Nursing, 2012, 7, 266-275.	0.0	2
75	A new VO_{2max}protocol allowing self-pacing in maximal incremental exercise. British Journal of Sports Medicine, 2012, 46, 59-63.	3.1	84
76	Evidence of Altered Cardiac Electrophysiology Following Prolonged Androgenic Anabolic Steroid Use. Cardiovascular Toxicology, 2010, 10, 239-243.	1.1	29
77	The effect of short-term creatine loading on active range of movement. Applied Physiology, Nutrition and Metabolism, 2010, 35, 507-511.	0.9	6
78	Blood pressure and rate pressure product response in males using high-dose anabolic androgenic steroids (AAS). Journal of Science and Medicine in Sport, 2003, 6, 307-312.	0.6	53
79	Left ventricular long-axis diastolic function is augmented in the hearts of endurance-trained compared with strength-trained athletes. Clinical Science, 2002, 103, 249-257.	1.8	68
80	Differentiation between pathologic and physiologic left ventricular hypertrophy by tissue doppler assessment of long-axis function in patients with hypertrophic cardiomyopathy or systemic hypertension and in athletes. American Journal of Cardiology, 2001, 88, 53-58.	0.7	293