Nikolai Baastrup Nordsborg

List of Publications by Year
in descending order

97	2,733	218381	205818
papers	citations	26 h-index	48 g-index

98	98	98	3791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved metabolic fitness, but no cardiovascular health effects, of a lowâ€frequency shortâ€term combined exercise programme in 50â€“70â€yearâ€olds with low fitness: A randomized controlled trial. European Journal of Sport Science, 2022, 22, 460-473.	1.4	2
2	Stability and detectability of testosterone esters in dried blood spots after intramuscular injections. Drug Testing and Analysis, 2022, 14, 1926-1937.	1.6	19
3	Directly measured aerobic fitness in male <scp>Maasai</scp> of <scp>Tanzania</scp>. American Journal of Human Biology, 2022, 34, e23674.	0.8	2
4	Oxygen Uptake During Activities of Daily Life in Patients Treated With a Left Ventricular Assist Device. Journal of Heart and Lung Transplantation, 2022, 41, 982-990.	0.3	4
5	A Single Glucocorticoid Injection Accelerate Erythropoiesis but Does Not Improve Performance. FASEB Journal, 2022, 36, .	0.2	0
6	Hepcidin and Erythroferrone Complement the Athlete Biological Passport in the Detection of Autologous Blood Transfusion. Medicine and Science in Sports and Exercise, 2022, 54, 1604-1616.	0.2	13
7	Analysis of dried blood spots is a feasible alternative for detecting ephedrine in doping control. Drug Testing and Analysis, 2022, 14, 1685-1695.	1.6	4
8	Effect of angiotensinâ€converting enzyme inhibition on cardiovascular adaptation to exercise training. Physiological Reports, 2022, 10, .	0.7	9
9	Distribution of concurrent training sessions does not impact endurance adaptation. Journal of Science and Medicine in Sport, 2021, 24, 291-296.	0.6	7
10	Hematological adaptations and detection of recombinant human erythropoietin combined with chronic hypoxia. Drug Testing and Analysis, 2021, 13, 360-368.	1.6	10
11	Immature reticulocytes are sensitive and specific to lowâ€dose erythropoietin treatment at sea level and altitude. Drug Testing and Analysis, 2021, 13, 1331-1340.	1.6	12
12	Microâ€doses of Recombinant Human Erythropoietin Enhance Endurance Performance While Indirect Detection by The Athlete Biological Passport Is Improved by Including The Immature Reticulocyte Fraction. FASEB Journal, 2021, 35, .	0.2	0
13	Detection of a Smallâ€Volume Autologous Blood Transfusion by Hepcidin, Erythroferrone, and the Athlete Biological Passport. FASEB Journal, 2021, 35, .	0.2	0
14	Effects of altitude and recombinant human erythropoietin on iron metabolism: a randomized controlled trial. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R152-R161.	0.9	9
15	Muscle Contractile Characteristics During Exhaustive Dynamic Exercise and Recovery. Frontiers in Physiology, 2021, 12, 660099.	1.3	3
16	Exercise training complementary to specialised early intervention in patients with first-episode psychosis: a feasibility randomised trial. Pilot and Feasibility Studies, 2021, 7, 162.	0.5	3
17	No pain, just gain: Painless, easy, and fast dried blood spot collection from fingertip and upper arm in doping control. Drug Testing and Analysis, 2021, 13, 1783-1790.	1.6	26
18	An Untargeted Urine Metabolomics Approach for Autologous Blood Transfusion Detection. Medicine and Science in Sports and Exercise, 2021, 53, 236-243.	0.2	10

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19	Cerebral lactate uptake during exercise is driven by the increased arterial lactate concentration. Journal of Applied Physiology, 2021, 131, 1824-1830.	1.2	7
20	Reliability and Validity of the SHFT Running Power Meter. Sensors, 2021, 21, 7516.	2.1	1
21	EpoR stimulates rapid cycling and larger red cells during mouse and human erythropoiesis. Nature Communications, 2021, 12, 7334.	5.8	18
22	Beta₂â€adrenergic agonist clenbuterol increases energy expenditure and fat oxidation, and induces mTOR phosphorylation in skeletal muscle of young healthy men. Drug Testing and Analysis, 2020, 12, 610-618.	1.6	20
23	Tramadol Does Not Improve Performance or Impair Motor Function in Trained Cyclists. Medicine and Science in Sports and Exercise, 2020, 52, 1169-1175.	0.2	10
24	Reproducibility of the CO rebreathing technique with a lower CO dose and a shorter rebreathing duration at sea level and at 2320 m of altitude. Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 590-599.	0.6	8
25	An Intramuscular Injection of Mixed Testosterone Esters Does Not Acutely Enhance Strength and Power in Recreationally Active Young Men. Frontiers in Physiology, 2020, 11, 563620.	1.3	7
26	The central blood volume as measured by thoracic electrical impedance and plasma proANP is not compromised by donation of 900 mL of blood in men. Transfusion Medicine, 2020, 30, 450-455.	0.5	2
27	A 3-min All-out Upper-body Ergometer Test For Competitive Swimmers. International Journal of Sports Medicine, 2020, 42, 724-730.	0.8	0
28	Singleâ€dose administration of clenbuterol is detectable in dried blood spots. Drug Testing and Analysis, 2020, 12, 1366-1372.	1.6	16
29	Impact of low-volume concurrent strength training distribution on muscular adaptation. Journal of Science and Medicine in Sport, 2020, 23, 999-1004.	0.6	5
30	Changes in blood parameters after intramuscular testosterone ester injections â€“ Implications for antiâ€doping. Drug Testing and Analysis, 2020, 12, 1019-1030.	1.6	13
31	Repeated Wingate sprints is a feasible high-quality training strategy in moderate hypoxia. PLoS ONE, 2020, 15, e0242439.	1.1	6
32	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. BMJ Open, 2020, 10, e041532.	0.8	1
33	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. BMJ Open, 2020, 10, e041532.	0.8	4
34	Human muscular mitochondrial fusion in athletes during exercise. FASEB Journal, 2019, 33, 12087-12098.	0.2	24
35	The impact of exercise training complementary to early intervention in patients with first-episode psychosis: a qualitative sub-study from a randomized controlled feasibility trial. BMC Psychiatry, 2019, 19, 192.	1.1	17
36	Autologous Blood Transfusion Enhances Exercise Performanceâ€”Strength of the Evidence and Physiological Mechanisms. Sports Medicine - Open, 2019, 5, 30.	1.3	25

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37	Monitoring Muscle Fatigue Progression during Dynamic Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 1498-1505.	0.2	10
38	Response. Medicine and Science in Sports and Exercise, 2019, 51, 1569-1569.	0.2	2
39	Physiological determinants of elite mountain bike cross-country Olympic performance. Journal of Sports Sciences, 2019, 37, 1154-1161.	1.0	12
40	Time Trial Performance Is Sensitive to Low-Volume Autologous Blood Transfusion. Medicine and Science in Sports and Exercise, 2019, 51, 692-700.	0.2	30
41	Specificity of â€œLive High-Train Lowâ€•Altitude Training on Exercise Performance. Exercise and Sport Sciences Reviews, 2018, 46, 129-136.	1.6	12
42	Skeletal muscle and performance adaptations to high-intensity training in elite male soccer players: speed endurance runs versus small-sided game training. European Journal of Applied Physiology, 2018, 118, 111-121.	1.2	43
43	Response. Exercise and Sport Sciences Reviews, 2018, 46, 272-272.	1.6	0
44	Oxygen conserving mitochondrial adaptations in the skeletal muscles of breath hold divers. PLoS ONE, 2018, 13, e0201401.	1.1	13
45	Hypoxia compounds exercise-induced free radical formation in humans; partitioning contributions from the cerebral and femoral circulation. Free Radical Biology and Medicine, 2018, 124, 104-113.	1.3	29
46	Plasma volume reduction and hematological fluctuations in highâ€level athletes after an increased training load. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 1605-1615.	1.3	24
47	Endurance, aerobic high-intensity, and repeated sprint cycling performance is unaffected by normobaric â€œLive High-Train Lowâ€• a double-blind placebo-controlled cross-over study. European Journal of Applied Physiology, 2017, 117, 979-988.	1.2	14
48	Hiking strap force decreases during sustained upwind sailing. European Journal of Sport Science, 2017, 17, 393-399.	1.4	2
49	Erythropoietin on cycling performance. Lancet Haematology,the, 2017, 4, e459-e460.	2.2	2
50	Muscle ion transporters and antioxidative proteins have different adaptive potential in arm than in leg skeletal muscle with exercise training. Physiological Reports, 2017, 5, e13470.	0.7	9
51	Supplementing a normal diet with protein yields a moderate improvement in the robust gains in muscle mass and strength induced by resistance training in older individuals. American Journal of Clinical Nutrition, 2017, 106, 971-972.	2.2	4
52	Hypoxic dose, intensity distribution, and fatigue monitoring are paramount for â€œlive high-train lowâ€• European Journal of Applied Physiology, 2017, 117, 2121-2122.	1.2	1
53	Caffeine and Bicarbonate for Speed. A Meta-Analysis of Legal Supplements Potential for Improving Intense Endurance Exercise Performance. Frontiers in Physiology, 2017, 8, 240.	1.3	68
54	High-intensity high-volume swimming induces more robust signaling through PGC-1Î± and AMPK activation than sprint interval swimming in m. triceps brachii. PLoS ONE, 2017, 12, e0185494.	1.1	25

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55	Futsal Match-Related Fatigue Affects Running Performance and Neuromuscular Parameters but Not Finishing Kick Speed or Accuracy. Frontiers in Physiology, 2016, 7, 518.	1.3	40
56	Detection of erythropoietin misuse by the Athlete Biological Passport combined with reticulocyte percentage. Drug Testing and Analysis, 2016, 8, 1049-1055.	1.6	21
57	Low-volume high-intensity swim training is superior to high-volume low-intensity training in relation to insulin sensitivity and glucose control in inactive middle-aged women. European Journal of Applied Physiology, 2016, 116, 1889-1897.	1.2	26
58	High intensity and reduced volume training attenuates stress and recovery levels in elite swimmers. European Journal of Sport Science, 2016, 16, 344-349.	1.4	7
59	Adaptations to Short, Frequent Sessions of Endurance and Strength Training Are Similar to Longer, Less Frequent Exercise Sessions When the Total Volume Is the Same. Journal of Strength and Conditioning Research, 2015, 29, S46-S51.	1.0	16
60	Cerebral Water and Ion Balance Remains Stable when Humans Are Exposed to Acute Hypoxic Exercise. High Altitude Medicine and Biology, 2015, 16, 18-25.	0.5	0
61	Altitude training causes haematological fluctuations with relevance for the Athlete Biological Passport. Drug Testing and Analysis, 2015, 7, 655-662.	1.6	29
62	Oxidative capacity and glycogen content increase more in arm than leg muscle in sedentary women after intense training. Journal of Applied Physiology, 2015, 119, 116-123.	1.2	26
63	Glucocorticoids enhance muscle endurance and ameliorate Duchenne muscular dystrophy through a defined metabolic program. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6780-9.	3.3	71
64	Effects of 12 Weeks High-Intensity & Reduced-Volume Training in Elite Athletes. PLoS ONE, 2014, 9, e95025.	1.1	28
65	High-Intensity Intermittent Swimming Improves Cardiovascular Health Status for Women with Mild Hypertension. BioMed Research International, 2014, 2014, 1-9.	0.9	57
66	Effect of acute hypobaric hypoxia on the endothelial glycocalyx and digital reactive hyperemia in humans. Frontiers in Physiology, 2014, 5, 459.	1.3	14
67	Phlebotomy eliminates the maximal cardiac output response to six weeks of exercise training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R752-R760.	0.9	63
68	Physiological Characteristics of an Aging Olympic Athlete. Medicine and Science in Sports and Exercise, 2014, 46, 2132-2138.	0.2	17
69	Glucocorticoids improve high-intensity exercise performance in humans. European Journal of Applied Physiology, 2014, 114, 419-424.	1.2	29
70	â€œLive Highâ€“Train Highâ€•increases hemoglobin mass in Olympic swimmers. European Journal of Applied Physiology, 2014, 114, 1439-1449.	1.2	44
71	Purinergic Effects on Na,K-ATPase Activity Differ in Rat and Human Skeletal Muscle. PLoS ONE, 2014, 9, e91175.	1.1	12
72	Lactate oxidation in human skeletal muscle mitochondria. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E686-E694.	1.8	55

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73	Exercise-induced increase in maximal in vitro Na-K-ATPase activity in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R1161-R1165.	0.9	25
74	Fast-Twitch Glycolytic Skeletal Muscle Is Predisposed to Age-Induced Impairments in Mitochondrial Function. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1010-1022.	1.7	23
75	Brain and skin do not contribute to the systemic rise in erythropoietin during acute hypoxia in humans. FASEB Journal, 2012, 26, 1831-1834.	0.2	12
76	The role of haemoglobin mass on VO2max following normobaric â€˜live highâ€“train lowâ€™ in endurance-trained athletes. British Journal of Sports Medicine, 2012, 46, 822-827.	3.1	36
77	â€œLive highâ€“train lowâ€•using normobaric hypoxia: a double-blinded, placebo-controlled study. Journal of Applied Physiology, 2012, 112, 106-117.	1.2	133
78	Thigh oxygen uptake at the onset of intense exercise is not affected by a reduction in oxygen delivery caused by hypoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R843-R849.	0.9	7
79	Changes in human muscle oxygen saturation and mean fiber conduction velocity during intense dynamic exerciseâ€”effect of muscular training status. Muscle and Nerve, 2012, 46, 746-754.	1.0	5
80	Quantitative maps of protein phosphorylation sites across 14 different rat organs and tissues. Nature Communications, 2012, 3, 876.	5.8	307
81	Relationship between performance at different exercise intensities and skeletal muscle characteristics. Journal of Applied Physiology, 2011, 110, 1555-1563.	1.2	26
82	Central and Peripheral Blood Flow During Exercise With a Continuous-Flow Left Ventricular Assist Device. Circulation: Heart Failure, 2011, 4, 554-560.	1.6	94
83	Exercise-induced regulation of muscular Na⁺-K⁺ pump, FXYD1, and NHE1 mRNA and protein expression: importance of training status, intensity, and muscle type. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1209-R1220.	0.9	14
84	Protein kinase CÎ± activity is important for contraction-induced FXYD1 phosphorylation in skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1808-R1814.	0.9	21
85	Relative Workload Determines Exercise-Induced Increases in PGC-1Î± mRNA. Medicine and Science in Sports and Exercise, 2010, 42, 1477-1484.	0.2	74
86	Human muscle net K⁺ release during exercise is unaffected by elevated anaerobic metabolism, but reduced after prolonged acclimatization to 4,100 m. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R306-R313.	0.9	4
87	Hemodynamic Stress Echocardiography in Patients Supported With a Continuous-Flow Left Ventricular Assist Device. JACC: Cardiovascular Imaging, 2010, 3, 854-859.	2.3	28
88	K ⁺ -dependent paradoxical membrane depolarization and Na ⁺ overload, major and reversible contributors to weakness by ion channel leaks. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4036-4041.	3.3	150
89	Effect of dexamethasone on skeletal muscle Na⁺,K⁺ pump subunit specific expression and K⁺ homeostasis during exercise in humans. Journal of Physiology, 2008, 586, 1447-1459.	1.3	39
90	Reduced volume but increased training intensity elevates muscle Na⁺-K⁺ pump Î±₁-subunit and NHE1 expression as well as short-term work capacity in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R966-R974.	0.9	97

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91	Dexamethasone up-regulates skeletal muscle maximal Na+,K+pump activity by muscle group specific mechanisms in humans. Journal of Physiology, 2005, 567, 583-589.	1.3	29
92	Gene expression in human skeletal muscle: alternative normalization method and effect of repeated biopsies. European Journal of Applied Physiology, 2005, 95, 351-360.	1.2	155
93	Contraction-induced increases in Na+-K+-ATPase mRNA levels in human skeletal muscle are not amplified by activation of additional muscle mass. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R84-R91.	0.9	29
94	Potassium kinetics in human muscle interstitium during repeated intense exercise in relation to fatigue. Pflugers Archiv European Journal of Physiology, 2004, 448, 452-6.	1.3	60
95	Adenosine A2B receptors modulate cAMP levels and induce CREB but not ERK1/2 and p38 phosphorylation in rat skeletal muscle cells. Biochemical and Biophysical Research Communications, 2003, 307, 180-187.	1.0	33
96	Muscle interstitial potassium kinetics during intense exhaustive exercise: effect of previous arm exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R143-R148.	0.9	117
97	Effect of high-intensity training on exercise-induced gene expression specific to ion homeostasis and metabolism. Journal of Applied Physiology, 2003, 95, 1201-1206.	1.2	43