Steen Larsen

List of Publications by Year
in descending order

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63	2,451	279798	214800
papers	citations	23 h-index	47 g-index

67	67	67	4208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of 6 weeks of very lowâ€volume highâ€intensity interval training on oral glucoseâ€stimulated incretin hormone response. European Journal of Sport Science, 2022, 22, 381-389.	2.7	4
2	Intravenous nicotinamide riboside elevates mouse skeletal muscle NAD+ without impacting respiratory capacity or insulin sensitivity. IScience, 2022, 25, 103863.	4.1	12
3	The effect of 8 weeks of physical training on muscle performance and maximal fat oxidation rates in patients treated with simvastatin and coenzyme Q10 supplementation. Journal of Physiology, 2022, 600, 569-581.	2.9	3
4	Extreme duration exercise affects old and younger men differently. Acta Physiologica, 2022, 235, e13816.	3.8	14
5	Influence of NAFLD and bariatric surgery on hepatic and adipose tissue mitochondrial biogenesis and respiration. Nature Communications, 2022, 13, .	12.8	14
6	The training induced increase in wholeâ€body peak fat oxidation rate may be attenuated with aging. European Journal of Sport Science, 2021, 21, 69-76.	2.7	6
7	Atorvastatin impairs liver mitochondrial function in obese GÃ¶ttingen Minipigs but heart and skeletal muscle are not affected. Scientific Reports, 2021, 11, 2167.	3.3	5
8	Depleted Myocardial Coenzyme Q10 in Cavalier King Charles Spaniels with Congestive Heart Failure Due to Myxomatous Mitral Valve Disease. Antioxidants, 2021, 10, 161.	5.1	3
9	Absent Exercise-Induced Improvements in Fat Oxidation in Women With Polycystic Ovary Syndrome After High-Intensity Interval Training. Frontiers in Physiology, 2021, 12, 649794.	2.8	13
10	Exercise training improves mitochondrial respiration and is associated with an altered intramuscular phospholipid signature in women with obesity. Diabetologia, 2021, 64, 1642-1659.	6.3	30
11	Peak Fat Oxidation Rate Is Closely Associated With Plasma Free Fatty Acid Concentrations in Women; Similar to Men. Frontiers in Physiology, 2021, 12, 696261.	2.8	5
12	Six weeks of high intensity cycle training reduces H2O2 emission and increases antioxidant protein levels in obese adults with risk factors for type 2 diabetes. Free Radical Biology and Medicine, 2021, 173, 1-6.	2.9	6
13	Acute erythropoietin injection increases muscle mitochondrial respiratory capacity in young men: a double-blinded randomized crossover trial. Journal of Applied Physiology, 2021, 131, 1340-1347.	2.5	1
14	Angiotensinâ€Converting Enzyme 2 (SARSâ€CoVâ€2 receptor) expression in human skeletal muscle. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2249-2258.	2.9	12
15	Nampt controls skeletal muscle development by maintaining Ca2+ homeostasis and mitochondrial integrity. Molecular Metabolism, 2021, 53, 101271.	6.5	27
16	Reliability and variation in mitochondrial respiration in human adipose tissue. Adipocyte, 2021, 10, 605-611.	2.8	2
17	Hepatocyte-specific perturbation of NAD+ biosynthetic pathways in mice induces reversible nonalcoholic steatohepatitisâ€“like phenotypes. Journal of Biological Chemistry, 2021, 297, 101388.	3.4	20
18	The Response of Mitochondrial Respiration and Quantity in Skeletal Muscle and Adipose Tissue to Exercise in Humans with Prediabetes. Cells, 2021, 10, 3013.	4.1	5

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19	Metabolomic Profile of Skeletal Muscle and Its Change Under a Mixed-Mode Exercise Intervention in Progressively Dysglycemic Subjects. Frontiers in Endocrinology, 2021, 12, 778442.	3.5	2
20	Mitochondrial adaptations to high intensity interval training in older females and males. European Journal of Sport Science, 2020, 20, 135-145.	2.7	35
21	Nicotinamide riboside does not alter mitochondrial respiration, content or morphology in skeletal muscle from obese and insulinâ€resistant men. Journal of Physiology, 2020, 598, 731-754.	2.9	97
22	Simvastatin improves mitochondrial respiration in peripheral blood cells. Scientific Reports, 2020, 10, 17012.	3.3	14
23	The relationship between peak fat oxidation and prolonged doubleâ€poling endurance exercise performance. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 2044-2056.	2.9	5
24	ETNK1 mutations induce a mutator phenotype that can be reverted with phosphoethanolamine. Nature Communications, 2020, 11, 5938.	12.8	22
25	Thyroid hormone receptor Î± in skeletal muscle is essential for T3â€mediated increase in energy expenditure. FASEB Journal, 2020, 34, 15480-15491.	0.5	25
26	Inducible deletion of skeletal muscle AMPKÎ± reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. Molecular Metabolism, 2020, 40, 101028.	6.5	32
27	Exercise training results in depot-specific adaptations to adipose tissue mitochondrial function. Scientific Reports, 2020, 10, 3785.	3.3	29
28	Menstrual cycle phase does not affect whole body peak fat oxidation rate during a graded exercise test. Journal of Applied Physiology, 2020, 128, 681-687.	2.5	31
29	Mitochondrial function in liver cells is resistant to perturbations in NAD+ salvage capacity. Journal of Biological Chemistry, 2019, 294, 13304-13326.	3.4	33
30	Influence of exercise amount and intensity on long-term weight loss maintenance and skeletal muscle mitochondrial ROS production in humans. Applied Physiology, Nutrition and Metabolism, 2019, 44, 958-964.	1.9	3
31	Aerobic and resistance exercise training reverses ageâ€dependent decline in NAD⁺salvage capacity in human skeletal muscle. Physiological Reports, 2019, 7, e14139.	1.7	59
32	Plasma free fatty acid concentration is closely tied to whole body peak fat oxidation rate during repeated exercise. Journal of Applied Physiology, 2019, 126, 1563-1571.	2.5	18
33	Muscle-Saturated Bioactive Lipids Are Increased with Aging and Influenced by High-Intensity Interval Training. International Journal of Molecular Sciences, 2019, 20, 1240.	4.1	20
34	Aerobic Exercise Performance and Muscle Strength in Statin Usersâ€”The LIFESTAT Study. Medicine and Science in Sports and Exercise, 2019, 51, 1429-1437.	0.4	15
35	Effects of oneâ€legged highâ€intensity interval training on insulinâ€mediated skeletal muscle glucose homeostasis in patients with type 2 diabetes. Acta Physiologica, 2019, 226, e13245.	3.8	40
36	Statin Treatment Decreases Mitochondrial Respiration But Muscle Coenzyme Q10 Levels Are Unaltered: The LIFESTAT Study. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2501-2508.	3.6	29

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37	Inflammatory biomarkers in patients in Simvastatin treatment: No effect of co-enzyme Q10 supplementation. Cytokine, 2019, 113, 393-399.	3.2	14
38	Glucose homeostasis in statin usersâ€"The LIFESTAT study. Diabetes/Metabolism Research and Reviews, 2019, 35, e3110.	4.0	9
39	Simvastatin-Induced Insulin Resistance May Be Linked to Decreased Lipid Uptake and Lipid Synthesis in Human Skeletal Muscle: the LIFESTAT Study. Journal of Diabetes Research, 2018, 2018, 1-7.	2.3	18
40	Determinants of maximal wholeâ€body fat oxidation in elite crossâ€country skiers: Role of skeletal muscle mitochondria. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2494-2504.	2.9	32
41	Four days of bed rest increases intrinsic mitochondrial respiratory capacity in young healthy males. Physiological Reports, 2018, 6, e13793.	1.7	25
42	High-intensity interval training changes mitochondrial respiratory capacity differently in adipose tissue and skeletal muscle. Physiological Reports, 2018, 6, e13857.	1.7	46
43	Peak Fat Oxidation is not Independently Related to Ironman Performance in Women. International Journal of Sports Medicine, 2018, 39, 916-923.	1.7	14
44	Variation in mitochondrial respiratory capacity and myosin heavy chain composition in repeated muscle biopsies. Analytical Biochemistry, 2018, 556, 119-124.	2.4	17
45	Perturbations of NAD⁺salvage systems impact mitochondrial function and energy homeostasis in mouse myoblasts and intact skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E377-E395.	3.5	36
46	The effects of 2Âweeks of statin treatment on mitochondrial respiratory capacity in middle-aged males: the LIFESTAT study. European Journal of Clinical Pharmacology, 2017, 73, 679-687.	1.9	18
47	Is there plasticity in mitochondrial cristae density with endurance training?. Journal of Physiology, 2017, 595, 2985-2985.	2.9	4
48	Determination of the exercise intensity that elicits maximal fat oxidation in individuals with obesity. Applied Physiology, Nutrition and Metabolism, 2017, 42, 405-412.	1.9	31
49	Evidence of Extrapancreatic Glucagon Secretion in Man. Diabetes, 2016, 65, 585-597.	0.6	136
50	Actovegin, a nonâ€prohibited drug increases oxidative capacity in human skeletal muscle. European Journal of Sport Science, 2016, 16, 801-807.	2.7	21
51	LIFESTAT â€“ Living with statins: An interdisciplinary project on the use of statins as a cholesterol-lowering treatment and for cardiovascular risk reduction. Scandinavian Journal of Public Health, 2016, 44, 534-539.	2.3	14
52	Quadriceps exercise intolerance in patients with chronic obstructive pulmonary disease: the potential role of altered skeletal muscle mitochondrial respiration. Journal of Applied Physiology, 2015, 119, 882-888.	2.5	33
53	Effects of exercise training on mitochondrial function in patients with type 2 diabetes. World Journal of Diabetes, 2014, 5, 482.	3.5	15
54	Increased intrinsic mitochondrial function in humans with mitochondrial haplogroup H. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 226-231.	1.0	26

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55	The best approach: Homogenization or manual permeabilization of human skeletal muscle fibers for respirometry?. Analytical Biochemistry, 2014, 446, 64-68.	2.4	32
56	Decreased mitochondrial oxidative phosphorylation capacity in the human heart with left ventricular systolic dysfunction. European Journal of Heart Failure, 2013, 15, 150-157.	7.1	59
57	Reply. Journal of the American College of Cardiology, 2013, 61, 2393.	2.8	0
58	Reply. Journal of the American College of Cardiology, 2013, 62, 257-258.	2.8	0
59	Simvastatin Effects on Skeletal Muscle. Journal of the American College of Cardiology, 2013, 61, 44-53.	2.8	156
60	Two Weeks of Metformin Treatment Enhances Mitochondrial Respiration in Skeletal Muscle of AMPK Kinase Dead but Not Wild Type Mice. PLoS ONE, 2013, 8, e53533.	2.5	43
61	Biomarkers of mitochondrial content in skeletal muscle of healthy young human subjects. Journal of Physiology, 2012, 590, 3349-3360.	2.9	920
62	Potentially avoidable perinatal deaths in Denmark and Sweden 1991. Acta Obstetricia Et Gynecologica Scandinavica, 1996, 75, 820-825.	2.8	38
63	Difference in systolic blood pressure between arm and ankle region in children 0â€“15 years old. Clinical Physiology, 1983, 3, 281-287.	0.7	1