

Søren Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

5,461
citations

70961

41
h-index

88477

70
g-index

111
all docs

111
docs citations

111
times ranked

7583
citing authors

#	ARTICLE	IF	CITATIONS
1	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. <i>Journal of Applied Physiology</i> , 2010, 108, 1487-1496.	1.2	296
2	Muscle Strength in Type 2 Diabetes. <i>Diabetes</i> , 2004, 53, 1543-1548.	0.3	292
3	Muscle specific microRNAs are regulated by endurance exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2010, 588, 4029-4037.	1.3	273
4	The miRNA Plasma Signature in Response to Acute Aerobic Exercise and Endurance Training. <i>PLoS ONE</i> , 2014, 9, e87308.	1.1	247
5	Mortality in Concurrent Type 1 Diabetes and Anorexia Nervosa. <i>Diabetes Care</i> , 2002, 25, 309-312.	4.3	208
6	Fibroblast Growth Factor-21 Is Induced in Human Skeletal Muscles by Hyperinsulinemia. <i>Diabetes</i> , 2009, 58, 2797-2801.	0.3	177
7	Brown Fat AKT2 Is a Cold-Induced Kinase that Stimulates ChREBP-Mediated De Novo Lipogenesis to Optimize Fuel Storage and Thermogenesis. <i>Cell Metabolism</i> , 2018, 27, 195-209.e6.	7.2	151
8	Antioxidant Supplementation Does Not Alter Endurance Training Adaptation. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1388-1395.	0.2	150
9	ROS and myokines promote muscle adaptation to exercise. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 95-99.	3.1	132
10	TGF- β 2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. <i>Nature Metabolism</i> , 2019, 1, 291-303.	5.1	128
11	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 159-174.e11.	7.2	114
12	Energy expenditure, sex, and endogenous fuel availability in humans. <i>Journal of Clinical Investigation</i> , 2003, 111, 981-988.	3.9	112
13	Eating disorders in females with type 1 diabetes: an update of a meta-analysis. <i>European Eating Disorders Review</i> , 2002, 10, 241-254.	2.3	110
14	Proteomics-Based Comparative Mapping of the Secretomes of Human Brown and White Adipocytes Reveals EPDR1 as a Novel Adipokine. <i>Cell Metabolism</i> , 2019, 30, 963-975.e7.	7.2	109
15	Diverse repertoire of human adipocyte subtypes develops from transcriptionally distinct mesenchymal progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17970-17979.	3.3	106
16	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. <i>Nature Metabolism</i> , 2019, 1, 830-843.	5.1	103
17	Exercise induces expression of leukaemia inhibitory factor in human skeletal muscle. <i>Journal of Physiology</i> , 2008, 586, 2195-2201.	1.3	101
18	The Impact of Pegvisomant Treatment on Substrate Metabolism and Insulin Sensitivity in Patients with Acromegaly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1724-1728.	1.8	94

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19	Heterogeneity in the perirenal region of humans suggests presence of dormant brown adipose tissue that contains brown fat precursor cells. <i>Molecular Metabolism</i> , 2019, 24, 30-43.	3.0	85
20	Growth hormone-induced insulin resistance is associated with increased intramyocellular triglyceride content but unaltered VLDL-triglyceride kinetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E920-E927.	1.8	84
21	Skeletal muscle as an immunogenic organ. <i>Current Opinion in Pharmacology</i> , 2008, 8, 346-351.	1.7	79
22	Acute Effects of Ghrelin Administration on Glucose and Lipid Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 438-444.	1.8	79
23	Endurance training enhances skeletal muscle interleukin-15 in human male subjects. <i>Endocrine</i> , 2014, 45, 271-278.	1.1	77
24	Exercise induces interleukin-8 receptor (CXCR2) expression in human skeletal muscle. <i>Experimental Physiology</i> , 2007, 92, 233-240.	0.9	73
25	Determinants of VLDL-triglycerides production. <i>Current Opinion in Lipidology</i> , 2012, 23, 321-326.	1.2	71
26	Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E761-E770.	1.8	70
27	Insulin dose response analysis of free fatty acid kinetics. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 68-76.	1.5	68
28	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. <i>Cell</i> , 2021, 184, 3502-3518.e33.	13.5	68
29	Human thermogenic adipocyte regulation by the long noncoding RNA LINC00473. <i>Nature Metabolism</i> , 2020, 2, 397-412.	5.1	65
30	Systolic Blood Pressure Relates to the Rate of Decline of Glomerular Filtration Rate in Type II Diabetes. <i>Diabetes Care</i> , 1993, 16, 1427-1432.	4.3	62
31	Metabolic regulation and the anti-obesity perspectives of human brown fat. <i>Redox Biology</i> , 2017, 12, 770-775.	3.9	62
32	Visfatin mRNA expression in human subcutaneous adipose tissue is regulated by exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E24-E31.	1.8	61
33	Role of vitamin C and E supplementation on IL-6 in response to training. <i>Journal of Applied Physiology</i> , 2012, 112, 990-1000.	1.2	60
34	Long-term bone loss in insulin-dependent diabetic patients with microvascular complications. <i>The Journal of Diabetic Complications</i> , 1990, 4, 145-149.	0.2	56
35	Satellite Cells Derived from Obese Humans with Type 2 Diabetes and Differentiated into Myocytes In Vitro Exhibit Abnormal Response to IL-6. <i>PLoS ONE</i> , 2012, 7, e39657.	1.1	55
36	Muscle mass and function in thyrotoxic patients before and during medical treatment. <i>Clinical Endocrinology</i> , 1999, 51, 693-699.	1.2	52

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37	Evidence of increased visceral obesity and reduced physical fitness in healthy insulin-resistant first-degree relatives of type 2 diabetic patients. <i>European Journal of Endocrinology</i> , 2004, 150, 207-214.	1.9	52
38	Calprotectin is released from human skeletal muscle tissue during exercise. <i>Journal of Physiology</i> , 2008, 586, 3551-3562.	1.3	48
39	Basal and Insulin Mediated VLDL-Triglyceride Kinetics in Type 2 Diabetic Men. <i>Diabetes</i> , 2011, 60, 88-96.	0.3	48
40	Effects of exercise on VLDL-triglyceride oxidation and turnover. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E939-E944.	1.8	46
41	Metformin increases endogenous glucose production in non-diabetic individuals and individuals with recent-onset type 2 diabetes. <i>Diabetologia</i> , 2019, 62, 1251-1256.	2.9	43
42	Free fatty acids decrease circulating ghrelin concentrations in humans. <i>European Journal of Endocrinology</i> , 2006, 154, 667-673.	1.9	41
43	Gamma-Aminobutyric Acid Signaling in Brown Adipose Tissue Promotes Systemic Metabolic Derangement in Obesity. <i>Cell Reports</i> , 2018, 24, 2827-2837.e5.	2.9	40
44	Albuminuria and 24-h Ambulatory Blood Pressure in Normoalbuminuric and Microalbuminuric NIDDM Patients. A longitudinal study. <i>Diabetes Care</i> , 1995, 18, 1434-1441.	4.3	37
45	Increased VLDL-Triglyceride Secretion Precedes Impaired Control of Endogenous Glucose Production in Obese, Normoglycemic Men. <i>Diabetes</i> , 2011, 60, 2257-2264.	0.3	37
46	Effects of GH on urea, glucose and lipid metabolism, and insulin sensitivity during fasting in GH-deficient patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E737-E743.	1.8	36
47	Energy expenditure, insulin, and VLDL-triglyceride production in humans. <i>Journal of Lipid Research</i> , 2006, 47, 2325-2332.	2.0	34
48	Estradiol acutely inhibits whole body lipid oxidation and attenuates lipolysis in subcutaneous adipose tissue: a randomized, placebo-controlled study in postmenopausal women. <i>European Journal of Endocrinology</i> , 2012, 167, 543-551.	1.9	34
49	Simvastatin Reduces Plasma Osteoprotegerin in Type 2 Diabetic Patients With Microalbuminuria. <i>Diabetes Care</i> , 2007, 30, 3122-3124.	4.3	33
50	Novel nuances of human brown fat. <i>Adipocyte</i> , 2014, 3, 54-57.	1.3	33
51	Endogenous Fatty Acid Synthesis Drives Brown Adipose Tissue Involution. <i>Cell Reports</i> , 2021, 34, 108624.	2.9	33
52	Measuring VLDL-triglyceride turnover in humans using ex vivo-prepared VLDL tracer. <i>Journal of Lipid Research</i> , 2006, 47, 99-106.	2.0	32
53	Vascular Response to Angiotensin II in Upper Body Obesity. <i>Hypertension</i> , 2004, 44, 435-441.	1.3	30
54	Muscle specific miRNAs are induced by testosterone and independently upregulated by age. <i>Frontiers in Physiology</i> , 2014, 4, 394.	1.3	30

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55	Angiogenic and inflammatory biomarkers for screening and follow-up in patients with pulmonary arterial hypertension. <i>Scandinavian Journal of Rheumatology</i> , 2018, 47, 319-324.	0.6	30
56	Glucose turnover, fuel oxidation and forearm substrate exchange in patients with thyrotoxicosis before and after medical treatment. <i>Clinical Endocrinology</i> , 1996, 44, 453-459.	1.2	29
57	No effect of resveratrol on VLDL-TG kinetics and insulin sensitivity in obese men with nonalcoholic fatty liver disease. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2504-2509.	2.2	29
58	Impact of body composition on very-low-density lipoprotein-triglycerides kinetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E165-E173.	1.8	28
59	Whole body metabolic effects of prolonged endurance training in combination with erythropoietin treatment in humans: a randomized placebo controlled trial. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E879-E889.	1.8	28
60	VLDL-TG kinetics: a dual isotope study for quantifying VLDL-TG pool size, production rates, and fractional oxidation in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1324-E1330.	1.8	27
61	Dysregulation of a novel miR-23b/27b-p53 axis impairs muscle stem cell differentiation of humans with type 2 diabetes. <i>Molecular Metabolism</i> , 2017, 6, 770-779.	3.0	27
62	Eating disorder and type 1 diabetes: overview and summing-up. <i>European Eating Disorders Review</i> , 1998, 6, 4-26.	2.3	26
63	Collection and Interpretation of Plasma Leptin Concentration Data in Humans. <i>Obesity</i> , 1999, 7, 241-245.	4.0	26
64	Independent Effects of Testosterone on Lipid Oxidation and VLDL-TG Production. <i>Diabetes</i> , 2013, 62, 1409-1416.	0.3	26
65	Impaired Insulin Suppression of VLDL-Triglyceride Kinetics in Nonalcoholic Fatty Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1637-1646.	1.8	26
66	Whole-Body Biodistribution, Dosimetry, and Metabolite Correction of [¹¹ C]Palmitate: A PET Tracer for Imaging of Fatty Acid Metabolism. <i>Molecular Imaging</i> , 2017, 16, 153601211773448.	0.7	23
67	Decreased Lipid Intermediate Levels and Lipid Oxidation Rates Despite Normal Lipolysis in Patients with Hypothyroidism. <i>Thyroid</i> , 2010, 20, 843-849.	2.4	19
68	Postabsorptive VLDL-TG Fatty Acid Storage in Adipose Tissue in Lean and Obese Women. <i>Obesity</i> , 2010, 18, 1304-1311.	1.5	18
69	Metformin does not affect postabsorptive hepatic free fatty acid uptake, oxidation or resecretion in humans: A 3-month placebo-controlled clinical trial in patients with type 2 diabetes and healthy controls. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1435-1444.	2.2	18
70	Kinetics and utilization of lipid sources during acute exercise and acipimox. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E199-E208.	1.8	17
71	Postprandial VLDL-TG metabolism in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2017, 75, 25-35.	1.5	17
72	Basal and insulin-regulated VLDL1 and VLDL2 kinetics in men with type 2 diabetes. <i>Diabetologia</i> , 2016, 59, 833-843.	2.9	15

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73	Impaired Insulin-Mediated Antilipolysis and Lactate Release in Adipose Tissue of Upper-Body Obese Women. <i>Obesity</i> , 2012, 20, 57-64.	1.5	14
74	Acute changes in lipoprotein subclasses during exercise. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 61-68.	1.5	14
75	Increased VLDL-TG Fatty Acid Storage in Skeletal Muscle in Men With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 831-839.	1.8	14
76	Increased AQP7 abundance in skeletal muscle from obese men with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E367-E373.	1.8	13
77	Similar VLDL-TG Storage in Visceral and Subcutaneous Fat in Obese and Lean Women. <i>Diabetes</i> , 2011, 60, 2787-2791.	0.3	12
78	Motor cortical excitability remains unaffected of short-term hyperglycemia in Type 1 diabetic patients. <i>Journal of Diabetes and Its Complications</i> , 2006, 20, 51-55.	1.2	10
79	A mixed diet supplemented with α -arabinose does not alter glycaemic or insulinaemic responses in healthy human subjects. <i>British Journal of Nutrition</i> , 2015, 113, 82-88.	1.2	9
80	Prorenin and renal function in NIDDM patients with normo- and microalbuminuria. <i>Journal of Internal Medicine</i> , 1995, 238, 499-505.	2.7	8
81	Combination of enalapril and low-dose thiazide reduces normoalbuminuria in essential hypertension. <i>Journal of Hypertension</i> , 1998, 16, 1539-1544.	0.3	8
82	Peroxisome proliferator-activated receptor gamma agonism modifies the effects of growth hormone on lipolysis and insulin sensitivity. <i>Clinical Endocrinology</i> , 2008, 69, 452-461.	1.2	8
83	Ten weeks of aerobic training does not result in persistent changes in VLDL triglyceride turnover or oxidation in healthy men. <i>European Journal of Endocrinology</i> , 2014, 171, 603-613.	1.9	8
84	Attenuated suppression of lipolysis explains the increases in triglyceride secretion and concentration associated with basal insulin peglispro relative to insulin glargine treatment in patients with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 419-426.	2.2	8
85	Acute Peripheral Metabolic Effects of Intraarterial Leg Infusion of Somatostatin in Healthy Young Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 2581-2589.	1.8	7
86	Lean body mass, not FFA, predicts VLDL-TG secretion rate in healthy men. <i>Obesity</i> , 2015, 23, 1379-1385.	1.5	7
87	VLDL triglyceride accumulation in skeletal muscle and adipose tissue in type 2 diabetes. <i>Current Opinion in Lipidology</i> , 2018, 29, 42-47.	1.2	7
88	Calsyntenin 3 ^β Is Dynamically Regulated by Temperature in Murine Brown Adipose and Marks Human Multilocular Fat. <i>Frontiers in Endocrinology</i> , 2020, 11, 579785.	1.5	7
89	Validity of rapid estimation of erythrocyte volume in the diagnosis of polycythemia vera. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1989, 15, 32-7.	2.2	6
90	Acute estrogen exposure does not affect basal very low-density lipoprotein-triglyceride production or oxidation in postmenopausal women. <i>European Journal of Endocrinology</i> , 2010, 163, 421-426.	1.9	6

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91	Complete recovery after severe myxoedema coma complicated by status epilepticus. <i>BMJ Case Reports</i> , 2015, 2015, bcr2014209071-bcr2014209071.	0.2	5
92	Single Cell Analysis Identifies the miRNA Expression Profile of a Subpopulation of Muscle Precursor Cells Unique to Humans With Type 2 Diabetes. <i>Frontiers in Physiology</i> , 2018, 9, 883.	1.3	5
93	Localization of aquaglyceroporins in human and murine white adipose tissue. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	0.8	4
94	Can we target obesity using a single-cell atlas of adipose tissue?. <i>Med</i> , 2022, 3, 276-278.	2.2	4
95	Increased lipolysis after infusion of acylated ghrelin: a randomized, double-blind placebo-controlled trial in hypopituitary patients. <i>Clinical Endocrinology</i> , 2020, 93, 672-677.	1.2	3
96	Isolated hyperglycaemia does not increase VLDL-triacylglycerol secretion in type 1 diabetic men. <i>Diabetologia</i> , 2015, 58, 355-362.	2.9	2
97	Measuring VLDL1-Triglyceride and VLDL2-Triglyceride Kinetics in Men: Effects of Dietary Control on Day-to-Day Variability. <i>Hormone and Metabolic Research</i> , 2017, 49, 604-611.	0.7	2
98	Role of Antioxidant Supplementation on Training-induced IL-6. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 20.	0.2	2
99	Reply to Russell: VLDL-TG kinetics: how to interpret a dual-isotope study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E253-E253.	1.8	0
100	Pre-training levels of testosterone and sex hormone-binding globulin are not correlated with training adaptations in fat mass and insulin sensitivity in healthy young men. <i>Endocrine</i> , 2016, 52, 660-663.	1.1	0
101	Alterations in Vascular Endothelial Growth Factors After Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, S395-S396.	0.3	0
102	Isolation and Characterization of Human Brown Adipocytes. <i>Methods in Molecular Biology</i> , 2022, 2448, 217-234.	0.4	0