Patrick Schrauwen

List of Publications by Year
in descending order

209	21,170	13332	11282
papers	citations	70 h-index	141 g-index

211	211	211	25296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The influence of bright and dim light on substrate metabolism, energy expenditure and thermoregulation in insulin-resistant individuals depends on time of day. Diabetologia, 2022, 65, 721-732.	2.9	11
2	Healthy aging and muscle function are positively associated with NAD+ abundance in humans. Nature Aging, 2022, 2, 254-263.	5.3	39
3	Resveratrol treatment does not reduce arterial inflammation in males at risk of type 2 diabetes: a randomized crossover trial. Nuklearmedizin - NuclearMedicine, 2022, 61, 33-41.	0.3	6
4	A randomized placebo-controlled clinical trial for pharmacological activation of BCAA catabolism in patients with type 2 diabetes. Nature Communications, 2022, 13, .	5.8	42
5	Decoration of myocellular lipid droplets with perilipins as a marker for in vivo lipid droplet dynamics: A super-resolution microscopy study in trained athletes and insulin resistant individuals. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158852.	1.2	8
6	Elevated Plasma Branched-Chain Amino Acid Levels Correlate With Type 2 Diabetesâ€"Related Metabolic Disturbances. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e1827-e1836.	1.8	28
7	Effects of dietary macronutrients on liver fat content in adults: a systematic review and meta-analysis of randomized controlled trials. European Journal of Clinical Nutrition, 2021, 75, 588-601.	1.3	16
8	Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensitivity. Diabetologia, 2021, 64, 424-436.	2.9	37
9	The importance of 24-h metabolism in obesity-related metabolic disorders: opportunities for timed interventions. International Journal of Obesity, 2021, 45, 479-490.	1.6	5
10	The effect of cold exposure with shivering on glucose tolerance in healthy men. Journal of Applied Physiology, 2021, 130, 193-205.	1.2	6
11	Resveratrolâ€induced remodelling of myocellular lipid stores: A study in metabolically compromised humans. Physiological Reports, 2021, 9, e14692.	0.7	2
12	Nicotinamide Riboside Enhances In Vitro Beta-adrenergic Brown Adipose Tissue Activity in Humans. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1437-1447.	1.8	17
13	Metabolic responses to mild cold acclimation in type 2 diabetes patients. Nature Communications, 2021, 12, 1516.	5.8	13
14	Relationship between de novo lipogenesis and serum sex hormone binding globulin in humans. Clinical Endocrinology, 2021, 95, 101-106.	1.2	11
15	Type 2 diabetes subgroups and potential medication strategies in relation to effects on insulin resistance and beta-cell function: A step toward personalised diabetes treatment?. Molecular Metabolism, 2021, 46, 101158.	3.0	17
16	Effects of the SGLT2 Inhibitor Dapagliflozin on Energy Metabolism in Patients With Type 2 Diabetes: A Randomized, Double-Blind Crossover Trial. Diabetes Care, 2021, 44, 1334-1343.	4.3	32
17	The effect of physical activity level and exercise training on the association between plasma branched-chain amino acids and intrahepatic lipid content in participants with obesity. International Journal of Obesity, 2021, 45, 1510-1520.	1.6	10
18	Circadian misalignment disturbs the skeletal muscle lipidome in healthy young men. FASEB Journal, 2021, 35, e21611.	0.2	8

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19	NAD+-Precursor Supplementation With L-Tryptophan, Nicotinic Acid, and Nicotinamide Does Not Affect Mitochondrial Function or Skeletal Muscle Function in Physically Compromised Older Adults. Journal of Nutrition, 2021, 151, 2917-2931.	1.3	13
20	Impact of aging and exercise on skeletal muscle mitochondrial capacity, energy metabolism, and physical function. Nature Communications, 2021, 12, 4773.	5.8	64
21	Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. Diabetologia, 2021, 64, 2817-2828.	2.9	12
22	Postexercise changes in myocellular lipid droplet characteristics of young lean individuals are affected by circulatory nonesterified fatty acids. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E453-E463.	1.8	4
23	No evidence for brown adipose tissue activation after creatine supplementation in adult vegetarians. Nature Metabolism, 2021, 3, 107-117.	5.1	15
24	Liver fat storage pathways: methodologies and dietary effects. Current Opinion in Lipidology, 2021, 32, 9-15.	1.2	4
25	Exercise training elicits superior metabolic effects when performed in the afternoon compared to morning in metabolically compromised humans. Physiological Reports, 2021, 8, e14669.	0.7	50
26	Genomics and transcriptomics landscapes associated to changes in insulin sensitivity in response to endurance exercise training. Scientific Reports, 2021, 11, 23314.	1.6	3
27	In vitro effects of sitosterol and sitostanol on mitochondrial respiration in human brown adipocytes, myotubes and hepatocytes. European Journal of Nutrition, 2020, 59, 2039-2045.	1.8	5
28	Effects of a whole diet approach on metabolic flexibility, insulin sensitivity and postprandial glucose responses in overweight and obese adults â€“ A randomized controlled trial. Clinical Nutrition, 2020, 39, 2734-2742.	2.3	9
29	Mild Exercise Does Not Prevent Atherosclerosis in APOE*3â€Leiden.CETP Mice or Improve Lipoprotein Profile of Men with Obesity. Obesity, 2020, 28, S93-S103.	1.5	2
30	Muscle Clocks and Diabetes. Obesity, 2020, 28, S5.	1.5	0
31	A Whole-Diet Approach Affects Not Only Fasting but Also Postprandial Cardiometabolic Risk Markers in Overweight and Obese Adults: A Randomized Controlled Trial. Journal of Nutrition, 2020, 150, 2942-2949.	1.3	1
32	Atrial Natriuretic Peptide Orchestrates a Coordinated Physiological Response to Fuel Non-shivering Thermogenesis. Cell Reports, 2020, 32, 108075.	2.9	27
33	Comparative transcriptome analysis of human skeletal muscle in response to cold acclimation and exercise training in human volunteers. BMC Medical Genomics, 2020, 13, 124.	0.7	6
34	Passive exposure to heat improves glucose metabolism in overweight humans. Acta Physiologica, 2020, 229, e13488.	1.8	33
35	Diurnal Regulation of Peripheral Glucose Metabolism: Potential Effects of Exercise Timing. Obesity, 2020, 28, S38-S45.	1.5	14
36	Ticking for Metabolic Health: The Skeletalâ€Muscle Clocks. Obesity, 2020, 28, S46-S54.	1.5	22

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37	No effect of resveratrol supplementation after 6 months on insulin sensitivity in overweight adults: a randomized trial. American Journal of Clinical Nutrition, 2020, 112, 1029-1038.	2.2	40
38	Exercising your fat (metabolism) into shape: a muscle-centred view. Diabetologia, 2020, 63, 1453-1463.	2.9	32
39	One-leg inactivity induces a reduction in mitochondrial oxidative capacity, intramyocellular lipid accumulation and reduced insulin signalling upon lipid infusion: a human study with unilateral limb suspension. Diabetologia, 2020, 63, 1211-1222.	2.9	18
40	Day-night rhythm of skeletal muscle metabolism is disturbed in older, metabolically compromised individuals. Molecular Metabolism, 2020, 41, 101050.	3.0	22
41	Skeletal muscle in healthy humans exhibits a day-night rhythm in lipid metabolism. Molecular Metabolism, 2020, 37, 100989.	3.0	30
42	Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans. American Journal of Clinical Nutrition, 2020, 112, 413-426.	2.2	96
43	Hepatic saturated fatty acid fraction is associated with de novo lipogenesis and hepatic insulin resistance. Nature Communications, 2020, 11, 1891.	5.8	63
44	The Effects of Different Degrees of Carbohydrate Restriction and Carbohydrate Replacement on Cardiometabolic Risk Markers in Humansâ€"A Systematic Review and Meta-Analysis. Nutrients, 2020, 12, 991.	1.7	38
45	L-carnitine infusion does not alleviate lipid-induced insulin resistance and metabolic inflexibility. PLoS ONE, 2020, 15, e0239506.	1.1	2
46	Carnitine supplementation improves metabolic flexibility and skeletal muscle acetylcarnitine formation in volunteers with impaired glucose tolerance: A randomised controlled trial. EBioMedicine, 2019, 49, 318-330.	2.7	48
47	4-Methylumbelliferone improves the thermogenic capacity of brown adipose tissue. Nature Metabolism, 2019, 1, 546-559.	5.1	26
48	Underpowered or negative? A crucial distinction. Reply to Dollerup OL, Treebak JT, Jessen N [letter]. Diabetologia, 2019, 62, 1096-1096.	2.9	0
49	TSH suppression aggravates arterial inflammation â€" an 18F-FDG PET study in thyroid carcinoma patients. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1428-1438.	3.3	4
50	NAD+ metabolism as a target for metabolic health: have we found the silver bullet?. Diabetologia, 2019, 62, 888-899.	2.9	47
51	Circadian clocks and insulin resistance. Nature Reviews Endocrinology, 2019, 15, 75-89.	4.3	395
52	Athletes feature greater rates of muscle glucose transport and glycogen synthesis during lipid infusion. JCI Insight, 2019, 4, .	2.3	6
53	Circadian Rhythmicity of Skeletal Muscle Metabolism. US Endocrinology, 2019, 15, 57.	0.3	0
54	The Peroxisome Proliferator-Activated Receptor Î± is dispensable for cold-induced adipose tissue browning in mice. Molecular Metabolism, 2018, 10, 39-54.	3.0	32

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55	Resveratrol improves exÂvivo mitochondrial function but does not affect insulin sensitivity or brown adipose tissue in first degree relatives of patients with type 2 diabetes. Molecular Metabolism, 2018, 12, 39-47.	3.0	59
56	Circadian rhythms in mitochondrial respiration. Journal of Molecular Endocrinology, 2018, 60, R115-R130.	1.1	135
57	Exercise counteracts lipotoxicity by improving lipid turnover and lipid droplet quality. Journal of Internal Medicine, 2018, 284, 505-518.	2.7	31
58	Genetic Markers of Brown Adipose Tissue Identity and In Vitro Brown Adipose Tissue Activity in Humans. Obesity, 2018, 26, 135-140.	1.5	27
59	Dissociation of intramyocellular lipid storage and insulin resistance in trained athletes and type 2 diabetes patients; involvement of perilipin 5?. Journal of Physiology, 2018, 596, 857-868.	1.3	27
60	Exercise training reduces intrahepatic lipid content in people with and people without nonalcoholic fatty liver. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E165-E173.	1.8	46
61	Coordinated targeting of cold and nicotinic receptors synergistically improves obesity and type 2 diabetes. Nature Communications, 2018, 9, 4304.	5.8	41
62	Distinct lipid droplet characteristics and distribution unmask the apparent contradiction of the athlete's paradox. Molecular Metabolism, 2018, 17, 71-81.	3.0	74
63	Circadian misalignment induces fatty acid metabolism gene profiles and compromises insulin sensitivity in human skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7789-7794.	3.3	138
64	Endospanin-2 enhances skeletal muscle energy metabolism and running endurance capacity. JCI Insight, 2018, 3, .	2.3	4
65	Longitudinal relaxation time editing for acetylcarnitine detection with 1 Hâ€MRS. Magnetic Resonance in Medicine, 2017, 77, 505-510.	1.9	8
66	Brown adipose tissue: The magic bullet?. Obesity, 2017, 25, 499-499.	1.5	0
67	Metabolic disturbances of non-alcoholic fatty liver resemble the alterations typical for type 2 diabetes. Clinical Science, 2017, 131, 1905-1917.	1.8	38
68	Liver fat: a relevant target for dietary intervention? Summary of a Unilever workshop. Journal of Nutritional Science, 2017, 6, e15.	0.7	10
69	An unbiased silencing screen in muscle cells identifies miR-320a, miR-150, miR-196b, and miR-34c as regulators of skeletal muscle mitochondrial metabolism. Molecular Metabolism, 2017, 6, 1429-1442.	3.0	21
70	Cold-Induced Thermogenesis Depends on ATGL-Mediated Lipolysis in Cardiac Muscle, but Not Brown Adipose Tissue. Cell Metabolism, 2017, 26, 753-763.e7.	7.2	242
71	Response to Comment on Timmers et al. Resveratrol as Add-on Therapy in Subjects With Well-Controlled Type 2 Diabetes: A Randomized Controlled Trial. Diabetes Care 2016;39:2211â€“2217. Diabetes Care, 2017, 40, e134-e134.	4.3	0
72	Intramyocellular lipid droplets and insulin sensitivity, the human perspective. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1242-1249.	1.2	44

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73	Benefits of Substituting Sitting with Standing and Walking in Free-Living Conditions for Cardiometabolic Risk Markers, Cognition and Mood in Overweight Adults. Frontiers in Physiology, 2017, 8, 353.	1.3	47
74	Evaluation of Muscle microRNA Expression in Relation to Human Peripheral Insulin Sensitivity: A Cross-Sectional Study in Metabolically Distinct Subject Groups. Frontiers in Physiology, 2017, 8, 711.	1.3	25
75	Demonstration of a day-night rhythm in human skeletal muscle oxidative capacity. Molecular Metabolism, 2016, 5, 635-645.	3.0	136
76	Combined epigallocatechin-3-gallate and resveratrol supplementation for 12 wk increases mitochondrial capacity and fat oxidation, but not insulin sensitivity, in obese humans: a randomized controlled trial. American Journal of Clinical Nutrition, 2016, 104, 215-227.	2.2	85
77	Combatting type 2 diabetes by turning up the heat. Diabetologia, 2016, 59, 2269-2279.	2.9	48
78	Mitochondrial dynamics, quality control and miRNA regulation in skeletal muscle: implications for obesity and related metabolic disease. Clinical Science, 2016, 130, 843-852.	1.8	35
79	Skeletal muscle mitochondria as a target to prevent or treat type 2 diabetes mellitus. Nature Reviews Endocrinology, 2016, 12, 633-645.	4.3	186
80	Synchronized human skeletal myotubes of lean, obese and type 2 diabetic patients maintain circadian oscillation of clock genes. Scientific Reports, 2016, 6, 35047.	1.6	35
81	Resveratrol as Add-on Therapy in Subjects With Well-Controlled Type 2 Diabetes: A Randomized Controlled Trial. Diabetes Care, 2016, 39, 2211-2217.	4.3	107
82	A genistein-enriched diet neither improves skeletal muscle oxidative capacity nor prevents the transition towards advanced insulin resistance in ZDF rats. Scientific Reports, 2016, 6, 22854.	1.6	11
83	Decoration of intramyocellular lipid droplets with PLIN5 modulates fasting-induced insulin resistance and lipotoxicity in humans. Diabetologia, 2016, 59, 1040-1048.	2.9	38
84	ANT1-mediated fatty acid-induced uncoupling as a target for improving myocellular insulin sensitivity. Diabetologia, 2016, 59, 1030-1039.	2.9	25
85	Short-term Cold Acclimation Recruits Brown Adipose Tissue in Obese Humans. Diabetes, 2016, 65, 1179-1189.	0.3	241
86	Mitochondrial Function and Diabetes: Consequences for Skeletal and Cardiac Muscle Metabolism. Antioxidants and Redox Signaling, 2016, 24, 39-51.	2.5	43
87	Mitochondrial coupling and capacity of oxidative phosphorylation in skeletal muscle of Inuit and Caucasians in the arctic winter. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 126-134.	1.3	33
88	Acute exercise does not decrease liver fat in men with overweight or NAFLD. Scientific Reports, 2015, 5, 9709.	1.6	30
89	Effects of high-fat feeding on ectopic fat storage and postprandial lipid metabolism in mouse offspring. Obesity, 2015, 23, 2242-2250.	1.5	1
90	Diet and glycaemia: the markers and their meaning. A report of the Unilever Nutrition Workshop. British Journal of Nutrition, 2015, 113, 239-248.	1.2	15

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91	Resveratrol: Challenges in translating pre-clinical findings to improved patient outcomes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1069-1070.	1.8	10
92	The Bile Acid Chenodeoxycholic Acid Increases Human Brown Adipose Tissue Activity. Cell Metabolism, 2015, 22, 418-426.	7.2	342
93	Short-term cold acclimation improves insulin sensitivity in patients with type 2 diabetes mellitus. Nature Medicine, 2015, 21, 863-865.	15.2	460
94	Low brown adipose tissue activity in endurance-trained compared with lean sedentary men. International Journal of Obesity, 2015, 39, 1696-1702.	1.6	157
95	Proton magnetic resonance spectroscopy reveals increased hepatic lipid content after a single high-fat meal with no additional modulation by added protein. American Journal of Clinical Nutrition, 2015, 101, 65-71.	2.2	47
96	The future of brown adipose tissues in the treatment of type 2 diabetes. Diabetologia, 2015, 58, 1704-1707.	2.9	36
97	Genomic and transcriptomic predictors of triglyceride response to regular exercise. British Journal of Sports Medicine, 2015, 49, 1524-1531.	3.1	14
98	Glucose uptake in human brown adipose tissue is impaired upon fasting-induced insulin resistance. Diabetologia, 2015, 58, 586-595.	2.9	72
99	Evidence for a Direct Effect of the NAD+ Precursor Acipimox on Muscle Mitochondrial Function in Humans. Diabetes, 2015, 64, 1193-1201.	0.3	99
100	Resveratrol and obesity: Can resveratrol relieve metabolic disturbances?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1137-1144.	1.8	107
101	Perilipin 5 mediated lipid droplet remodelling revealed by coherent Raman imaging. FASEB Journal, 2015, 29, 568.19.	0.2	0
102	Lack of UCP3 does not affect skeletal muscle mitochondrial function under lipid-challenged conditions, but leads to sudden cardiac death. Basic Research in Cardiology, 2014, 109, 447.	2.5	16
103	Fatty acid-inducible ANGPTL4 governs lipid metabolic response to exercise. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1043-52.	3.3	113
104	Can resveratrol help to maintain metabolic health?. Proceedings of the Nutrition Society, 2014, 73, 271-277.	0.4	22
105	Reduced Incorporation of Fatty Acids Into Triacylglycerol in Myotubes From Obese Individuals With Type 2 Diabetes. Diabetes, 2014, 63, 1583-1593.	0.3	20
106	Pharmacological Inhibition of Poly(ADP-Ribose) Polymerases Improves Fitness and Mitochondrial Function in Skeletal Muscle. Cell Metabolism, 2014, 19, 1034-1041.	7.2	211
107	Cold-activated brown adipose tissue in human adults: methodological issues. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R103-R113.	0.9	131
108	High-Fat Dietâ€“Induced Mitochondrial Biogenesis Is Regulated by Mitochondrial-Derived Reactive Oxygen Species Activation of CaMKII. Diabetes, 2014, 63, 1907-1913.	0.3	72

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109	PPAR-alpha dependent regulation of vanin-1 mediates hepatic lipid metabolism. Journal of Hepatology, 2014, 61, 366-372.	1.8	64
110	Rev-erb-Î± modulates skeletal muscle oxidative capacity by regulating mitochondrial biogenesis and autophagy. Nature Medicine, 2013, 19, 1039-1046.	15.2	361
111	Therapeutic potential of resveratrol in obesity and type 2 diabetes: new avenues for health benefits?. Annals of the New York Academy of Sciences, 2013, 1290, 83-89.	1.8	77
112	Overexpression of PLIN5 in skeletal muscle promotes oxidative gene expression and intramyocellular lipid content without compromising insulin sensitivity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 844-852.	1.2	100
113	Brown adipose tissue activity after a high-calorie meal in humans. American Journal of Clinical Nutrition, 2013, 98, 57-64.	2.2	134
114	PPARÎ³ coactivator-1Î± contributes to exercise-induced regulation of intramuscular lipid droplet programming in mice and humans. Journal of Lipid Research, 2013, 54, 522-534.	2.0	89
115	Nine Months of Combined Training Improves Ex Vivo Skeletal Muscle Metabolism in Individuals With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1694-1702.	1.8	104
116	Energy dissipation in brown adipose tissue: From mice to men. Molecular and Cellular Endocrinology, 2013, 379, 43-50.	1.6	77
117	Blocking the Entrance to Open the Gate. Diabetes, 2013, 62, 703-705.	0.3	3
118	Cold acclimation recruits human brown fat and increases nonshivering thermogenesis. Journal of Clinical Investigation, 2013, 123, 3395-3403.	3.9	658
119	Relationships between Mitochondrial Function and Metabolic Flexibility in Type 2 Diabetes Mellitus. PLoS ONE, 2013, 8, e51648.	1.1	62
120	PS3 - 14. The effect of the exercise-induced muscle secretome on liver gene expression. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 108-109.	0.0	0
121	PS5 - 26. Exposure to a high fat diet during early development increases the susceptibility to cardiac lipid accumulation. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 115-116.	0.0	0
122	PS - 46. SIRT3 overexpression in rat skeletal muscle does not alleviate high-fat diet-induced insulin resistance. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 130-130.	0.0	0
123	High Oxidative Capacity Due to Chronic Exercise Training Attenuates Lipid-Induced Insulin Resistance. Diabetes, 2012, 61, 2472-2478.	0.3	71
124	Long- and Medium-Chain Fatty Acids Induce Insulin Resistance to a Similar Extent in Humans Despite Marked Differences in Muscle Fat Accumulation. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 208-216.	1.8	28
125	Augmenting muscle diacylglycerol and triacylglycerol content by blocking fatty acid oxidation does not impede insulin sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11711-11716.	3.3	67
126	Re-evaluating lipotoxic triggers in skeletal muscle: Relating intramyocellular lipid metabolism to insulin sensitivity. Progress in Lipid Research, 2012, 51, 36-49.	5.3	114

#	Article	IF	Citations
127	Increase in Brown Adipose Tissue Activity after Weight Loss in Morbidly Obese Subjects. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1229-E1233.	1.8	185
128	Beige Adipocytes Are a Distinct Type of Thermogenic Fat Cell in Mouse and Human. Cell, 2012, 150, 366-376.	13.5	2,740
129	Muscle mitochondria and insulin resistance: a human perspective. Trends in Endocrinology and Metabolism, 2012, 23, 444-450.	3.1	81
130	Targeting of mitochondrial reactive oxygen species production does not avert lipid-induced insulin resistance in muscle tissue from mice. Diabetologia, 2012, 55, 2759-2768.	2.9	37
131	Perilipin 2 Improves Insulin Sensitivity in Skeletal Muscle Despite Elevated Intramuscular Lipid Levels. Diabetes, 2012, 61, 2679-2690.	0.3	125
132	Systemic Î²-Adrenergic Stimulation of Thermogenesis Is Not Accompanied by Brown Adipose Tissue Activity in Humans. Diabetes, 2012, 61, 3106-3113.	0.3	169
133	The lipid droplet coat protein perilipin 5 also localizes to muscle mitochondria. Histochemistry and Cell Biology, 2012, 137, 205-216.	0.8	136
134	Calorie Restriction-like Effects of 30 Days of Resveratrol Supplementation on Energy Metabolism and Metabolic Profile in Obese Humans. Cell Metabolism, 2011, 14, 612-622.	7.2	1,072
135	Significance of uncoupling protein 3 in mitochondrial function upon mid- and long-term dietary high-fat exposure. FEBS Letters, 2011, 585, 4010-4017.	1.3	17
136	Uncoupled respiration, ROS production, acute lipotoxicity and oxidative damage in isolated skeletal muscle mitochondria from UCP3-ablated mice. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1095-1105.	0.5	39
137	Exercise-induced modulation of cardiac lipid content in healthy lean young men. Basic Research in Cardiology, 2011, 106, 307-315.	2.5	37
138	Cardiac lipid content is unresponsive to a physical activity training intervention in type 2 diabetic patients, despite improved ejection fraction. Cardiovascular Diabetology, 2011, 10, 47.	2.7	40
139	Three Weeks on a High-Fat Diet Increases Intrahepatic Lipid Accumulation and Decreases Metabolic Flexibility in Healthy Overweight Men. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E691-E695.	1.8	98
140	PS7 - 38. Effects of acute endurance exercise on gene expression in skeletal muscle. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 117-117.	0.0	0
141	PS14 - 70. C5L2- a potential regulator of skeletal muscle lipid accumulation. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 138-138.	0.0	0
142	PS14 - 71. Increased intramyocellular lipids, but normal muscular mitochondrial oxidative capacity in adipose triglyceride lipase deficient mice. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 138-139.	0.0	0
143	Lipotoxicity in type 2 diabetic cardiomyopathy. Cardiovascular Research, 2011, 92, 10-18.	1.8	171
144	Paradoxical Increase in TAG and DAG Content Parallel the Insulin Sensitizing Effect of Unilateral DGAT1 Overexpression in Rat Skeletal Muscle. PLoS ONE, 2011, 6, e14503.	1.1	39

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145	Brown Adipose Tissue in Morbidly Obese Subjects. PLoS ONE, 2011, 6, e17247.	1.1	327
146	Exercise training increases mitochondrial content and ex vivo mitochondrial function similarly in patients with type 2 diabetes and in control individuals. Diabetologia, 2010, 53, 1714-1721.	2.9	162
147	Cold tolerance of UCP1-ablated mice: A skeletal muscle mitochondria switch toward lipid oxidation with marked UCP3 up-regulation not associated with increased basal, fatty acid- or ROS-induced uncoupling or enhanced GDP effects. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 968-980.	0.5	83
148	Prolonged Fasting Identifies Skeletal Muscle Mitochondrial Dysfunction as Consequence Rather Than Cause of Human Insulin Resistance. Diabetes, 2010, 59, 2117-2125.	0.3	131
149	Improved Ejection Fraction after Exercise Training in Obesity Is Accompanied by Reduced Cardiac Lipid Content. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1932-1938.	1.8	63
150	Mitochondrial dysfunction and lipotoxicity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 266-271.	1.2	200
151	Restoration of Muscle Mitochondrial Function and Metabolic Flexibility in Type 2 Diabetes by Exercise Training Is Paralleled by Increased Myocellular Fat Storage and Improved Insulin Sensitivity. Diabetes, 2010, 59, 572-579.	0.3	274
152	TNFâ€Î± impairs regulation of muscle oxidative phenotype: implications for cachexia?. FASEB Journal, 2010, 24, 5052-5062.	0.2	17
153	Adipocyte Differentiation-Related Protein and OXPAT in Rat and Human Skeletal Muscle: Involvement in Lipid Accumulation and Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4077-4085.	1.8	84
154	Cold-Activated Brown Adipose Tissue in Healthy Men. New England Journal of Medicine, 2009, 360, 1500-1508.	13.9	2,981
155	Loss of 50% of excess weight using a very low energy diet improves insulin-stimulated glucose disposal and skeletal muscle insulin signalling in obese insulin-treated type 2 diabetic patients. Diabetologia, 2008, 51, 309-319.	2.9	63
156	Reduced tricarboxylic acid cycle flux in type 2 diabetes mellitus?. Diabetologia, 2008, 51, 1694-1697.	2.9	42
157	The effect of UCP3 overexpression on mitochondrial ROS production in skeletal muscle of young versus aged mice. FEBS Letters, 2008, 582, 4147-4152.	1.3	72
158	Lower Intrinsic ADP-Stimulated Mitochondrial Respiration Underlies In Vivo Mitochondrial Dysfunction in Muscle of Male Type 2 Diabetic Patients. Diabetes, 2008, 57, 2943-2949.	0.3	298
159	Human Skeletal Muscle Mitochondrial Uncoupling Is Associated with Cold Induced Adaptive Thermogenesis. PLoS ONE, 2008, 3, e1777.	1.1	113
160	PPARâ€Î³ activation inhibits TNFâ€Î± induced NFâ€ºB activity in skeletal muscle. FASEB Journal, 2008, 22, 959.3.	0.2	0
161	Mild cold and overfeeding adaptive thermogenesis: role of mitochondrial uncoupling. FASEB Journal, 2008, 22, 958.12.	0.2	0
162	High-fat diet, muscular lipotoxicity and insulin resistance. Proceedings of the Nutrition Society, 2007, 66, 33-41.	0.4	107

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163	Physical activity and diabetes: current considerations. Applied Physiology, Nutrition and Metabolism, 2007, 32, 535-536.	0.9	5
164	Improved skeletal muscle oxidative enzyme activity and restoration of PGC-1Î± and PPARÎ²/Î´ gene expression upon rosiglitazone treatment in obese patients with type 2 diabetes mellitus. International Journal of Obesity, 2007, 31, 1302-1310.	1.6	143
165	Impaired in vivo mitochondrial function but similar intramyocellular lipid content in patients with type 2 diabetes mellitus and BMI-matched control subjects. Diabetologia, 2007, 50, 113-120.	2.9	246
166	Putative function and physiological relevance of the mitochondrial uncoupling protein-3: Involvement in fatty acid metabolism?. Progress in Lipid Research, 2006, 45, 17-41.	5.3	82
167	Intramyocellular Lipid Content in Human Skeletal Muscle. Obesity, 2006, 14, 357-367.	1.5	156
168	Peroxisome proliferator-activated receptor-Î³ coactivator-1 and insulin resistance: acute effect of fatty acids. Diabetologia, 2006, 49, 2419-2426.	2.9	68
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