

Gert Schaart

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,703
citations

361296

20
h-index

302012

39
g-index

40
all docs

40
docs citations

40
times ranked

4347
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term cold acclimation improves insulin sensitivity in patients with type 2 diabetes mellitus. <i>Nature Medicine</i> , 2015, 21, 863-865.	15.2	460
2	Optimisation of oil red \AA O staining permits combination with immunofluorescence and automated quantification of lipids. <i>Histochemistry and Cell Biology</i> , 2001, 116, 63-68.	0.8	406
3	The Bile Acid Chenodeoxycholic Acid Increases Human Brown Adipose Tissue Activity. <i>Cell Metabolism</i> , 2015, 22, 418-426.	7.2	342
4	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. <i>Diabetes</i> , 2010, 59, 572-579.	0.3	274
5	Short-term Cold Acclimation Recruits Brown Adipose Tissue in Obese Humans. <i>Diabetes</i> , 2016, 65, 1179-1189.	0.3	241
6	Resveratrol as Add-on Therapy in Subjects With Well-Controlled Type 2 Diabetes: A Randomized Controlled Trial. <i>Diabetes Care</i> , 2016, 39, 2211-2217.	4.3	107
7	Distinct lipid droplet characteristics and distribution unmask the apparent contradiction of the athlete's paradox. <i>Molecular Metabolism</i> , 2018, 17, 71-81.	3.0	74
8	High Oxidative Capacity Due to Chronic Exercise Training Attenuates Lipid-Induced Insulin Resistance. <i>Diabetes</i> , 2012, 61, 2472-2478.	0.3	71
9	Increased mitochondrial ROS formation by acetaminophen in human hepatic cells is associated with gene expression changes suggesting disruption of the mitochondrial electron transport chain. <i>Toxicology Letters</i> , 2015, 234, 139-150.	0.4	65
10	Impact of aging and exercise on skeletal muscle mitochondrial capacity, energy metabolism, and physical function. <i>Nature Communications</i> , 2021, 12, 4773.	5.8	64
11	A modified PAS stain combined with immunofluorescence for quantitative analyses of glycogen in muscle sections. <i>Histochemistry and Cell Biology</i> , 2004, 122, 161-9.	0.8	61
12	Resveratrol improves ex \AA vivo mitochondrial function but does not affect insulin sensitivity or brown adipose tissue in first degree relatives of patients with type 2 diabetes. <i>Molecular Metabolism</i> , 2018, 12, 39-47.	3.0	59
13	Carnitine supplementation improves metabolic flexibility and skeletal muscle acetylcarnitine formation in volunteers with impaired glucose tolerance: A randomised controlled trial. <i>EBioMedicine</i> , 2019, 49, 318-330.	2.7	48
14	Decoration of intramyocellular lipid droplets with PLIN5 modulates fasting-induced insulin resistance and lipotoxicity in humans. <i>Diabetologia</i> , 2016, 59, 1040-1048.	2.9	38
15	Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensitivity. <i>Diabetologia</i> , 2021, 64, 424-436.	2.9	37
16	Passive exposure to heat improves glucose metabolism in overweight humans. <i>Acta Physiologica</i> , 2020, 229, e13488.	1.8	33
17	Treatment with a β -2-adrenoceptor agonist stimulates glucose uptake in skeletal muscle and improves glucose homeostasis, insulin resistance and hepatic steatosis in mice with diet-induced obesity. <i>Diabetologia</i> , 2020, 63, 1603-1615.	2.9	33
18	Genetic Markers of Brown Adipose Tissue Identity and <i>In Vitro</i> Brown Adipose Tissue Activity in Humans. <i>Obesity</i> , 2018, 26, 135-140.	1.5	27

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19	Dissociation of intramyocellular lipid storage and insulin resistance in trained athletes and type 2 diabetes patients; involvement of perilipin 5?. <i>Journal of Physiology</i> , 2018, 596, 857-868.	1.3	27
20	ANT1-mediated fatty acid-induced uncoupling as a target for improving myocellular insulin sensitivity. <i>Diabetologia</i> , 2016, 59, 1030-1039.	2.9	25
21	Reduced Incorporation of Fatty Acids Into Triacylglycerol in Myotubes From Obese Individuals With Type 2 Diabetes. <i>Diabetes</i> , 2014, 63, 1583-1593.	0.3	20
22	GLUT-4 expression is not consistently higher in type-1 than in type-2 fibres of rat and human vastus lateralis muscles; an immunohistochemical study. <i>Pflügers Archiv European Journal of Physiology</i> , 2000, 441, 351-358.	1.3	19
23	Effect of l-arginine on energy metabolism, skeletal muscle and brown adipose tissue in South Asian and Europid prediabetic men: a randomised double-blinded crossover study. <i>Diabetologia</i> , 2019, 62, 112-122.	2.9	18
24	MicroRNA-204-5p modulates mitochondrial biogenesis in C2C12 myotubes and associates with oxidative capacity in humans. <i>Journal of Cellular Physiology</i> , 2020, 235, 9851-9863.	2.0	18
25	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. <i>Diabetologia</i> , 2020, 63, 1211-1222.	2.9	18
26	Nicotinamide Riboside Enhances In Vitro Beta-adrenergic Brown Adipose Tissue Activity in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1437-1447.	1.8	17
27	Lack of UCP3 does not affect skeletal muscle mitochondrial function under lipid-challenged conditions, but leads to sudden cardiac death. <i>Basic Research in Cardiology</i> , 2014, 109, 447.	2.5	16
28	Protein expression of UCP3 differs between human type 1, type 2a, and type 2b fibers. <i>FASEB Journal</i> , 2001, 15, 1071-1073.	0.2	13
29	Metabolic responses to mild cold acclimation in type 2 diabetes patients. <i>Nature Communications</i> , 2021, 12, 1516.	5.8	13
30	A genistein-enriched diet neither improves skeletal muscle oxidative capacity nor prevents the transition towards advanced insulin resistance in ZDF rats. <i>Scientific Reports</i> , 2016, 6, 22854.	1.6	11
31	Cold acclimation affects immune composition in skeletal muscle of healthy lean subjects. <i>Physiological Reports</i> , 2015, 3, e12394.	0.7	10
32	Circadian misalignment disturbs the skeletal muscle lipidome in healthy young men. <i>FASEB Journal</i> , 2021, 35, e21611.	0.2	8
33	Prolonged β_2 -adrenergic agonist treatment improves glucose homeostasis in diet-induced obese UCP1 ^{+/+} mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E619-E628.	1.8	6
34	Athletes feature greater rates of muscle glucose transport and glycogen synthesis during lipid infusion. <i>JCI Insight</i> , 2019, 4, .	2.3	6
35	In vitro effects of sitosterol and sitostanol on mitochondrial respiration in human brown adipocytes, myotubes and hepatocytes. <i>European Journal of Nutrition</i> , 2020, 59, 2039-2045.	1.8	5
36	Endospanin-2 enhances skeletal muscle energy metabolism and running endurance capacity. <i>JCI Insight</i> , 2018, 3, .	2.3	4

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37	Genetic Analysis of Intracapillary Glomerular Lipoprotein Deposits in Aging Mice. PLoS ONE, 2014, 9, e111308.	1.1	3
38	Resveratrol-induced remodelling of myocellular lipid stores: A study in metabolically compromised humans. Physiological Reports, 2021, 9, e14692.	0.7	2
39	L-carnitine infusion does not alleviate lipid-induced insulin resistance and metabolic inflexibility. PLoS ONE, 2020, 15, e0239506.	1.1	2