Esther Phielix

List of Publications by Year
in descending order

38 papers	3,015 citations	257450 24 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	4907 citing authors

#	Article	IF	Citations
1	Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming. Pharmacological Research, 2022, 179, 106193.	7.1	3
2	A randomized placebo-controlled clinical trial for pharmacological activation of BCAA catabolism in patients with type 2 diabetes. Nature Communications, 2022, 13, .	12.8	42
3	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.	3.6	28
4	Metabolic responses to mild cold acclimation in type 2 diabetes patients. Nature Communications, 2021, 12, 1516.	12.8	13
5	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.	3.4	10
6	Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. Diabetologia, 2021, 64, 2817-2828.	6.3	12
7	Passive exposure to heat improves glucose metabolism in overweight humans. Acta Physiologica, 2020, 229, e13488.	3.8	33
8	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.	6.3	18
9	Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans. American Journal of Clinical Nutrition, 2020, 112, 413-426.	4.7	96
10	L-carnitine infusion does not alleviate lipid-induced insulin resistance and metabolic inflexibility. PLoS ONE, 2020, 15, e0239506.	2.5	2
11	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.	6.1	48
12	Athletes feature greater rates of muscle glucose transport and glycogen synthesis during lipid infusion. JCI Insight, 2019, 4, .	5.0	6
13	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.	7.1	138
14	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. Diabetes, 2017, 66, 2241-2253.	0.6	124
15	Supramolecular structure of dietary fat in early life modulates expression of markers for mitochondrial content and capacity in adipose tissue of adult mice. Nutrition and Metabolism, 2017, 14, 37.	3.0	19
16	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.	2.8	25
17	Resveratrol as Add-on Therapy in Subjects With Well-Controlled Type 2 Diabetes: A Randomized Controlled Trial. Diabetes Care, 2016, 39, 2211-2217.	8.6	107
18	ANT1-mediated fatty acid-induced uncoupling as a target for improving myocellular insulin sensitivity. Diabetologia, 2016, 59, 1030-1039.	6.3	25

#	Article	IF	Citations
19	Time course of postprandial hepatic phosphorus metabolites in lean, obese, and type 2 diabetes patients. American Journal of Clinical Nutrition, 2015, 102, 1051-1058.	4.7	30
20	Evidence for a Direct Effect of the NAD+ Precursor Acipimox on Muscle Mitochondrial Function in Humans. Diabetes, 2015, 64, 1193-1201.	0.6	99
21	Role of diacylglycerol activation of PKCÎ¸ in lipid-induced muscle insulin resistance in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9597-9602.	7.1	326
22	Reduction of non-esterified fatty acids improves insulin sensitivity and lowers oxidative stress, but fails to restore oxidative capacity in type 2 diabetes: a randomised clinical trial. Diabetologia, 2014, 57, 572-581.	6.3	51
23	Tissue-Specific Differences in the Development of Insulin Resistance in a Mouse Model for Type 1 Diabetes. Diabetes, 2014, 63, 3856-3867.	0.6	51
24	Longâ€“echo time MR spectroscopy for skeletal muscle acetylcarnitine detection. Journal of Clinical Investigation, 2014, 124, 4915-4925.	8.2	54
25	Mechanisms Underlying the Onset of Oral Lipidâ€“Induced Skeletal Muscle Insulin Resistance in Humans. Diabetes, 2013, 62, 2240-2248.	0.6	102
26	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.	4.2	89
27	Assessing Multiple Features of Mitochondrial Function. Diabetes, 2013, 62, 1826-1828.	0.6	1
28	Relationship of C5L2 Receptor to Skeletal Muscle Substrate Utilization. PLoS ONE, 2013, 8, e57494.	2.5	6
29	Relationships between Mitochondrial Function and Metabolic Flexibility in Type 2 Diabetes Mellitus. PLoS ONE, 2013, 8, e51648.	2.5	62
30	High Oxidative Capacity Due to Chronic Exercise Training Attenuates Lipid-Induced Insulin Resistance. Diabetes, 2012, 61, 2472-2478.	0.6	71
31	The role of mitochondria in insulin resistance and type 2 diabetes mellitus. Nature Reviews Endocrinology, 2012, 8, 92-103.	9.6	471
32	Enhanced lipidâ€"but not carbohydrateâ€"supported mitochondrial respiration in skeletal muscle of PGCâ€‰Î± overexpressing mice. Journal of Cellular Physiology, 2012, 227, 1026-1033.	4.1	31
33	Mitochondrial Function and Insulin Resistance during Aging â€“ A Mini-Review. Gerontology, 2011, 57, 387-396.	2.8	42
34	Stimulation of Human Whole-Body Energy Expenditure by Salsalate Is Fueled by Higher Lipid Oxidation under Fasting Conditions and by Higher Oxidative Glucose Disposal under Insulin-Stimulated Conditions. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1415-1423.	3.6	22
35	The use of statins potentiates the insulin-sensitizing effect of exercise training in obese males with and without TypeÂ2 diabetes. Clinical Science, 2010, 119, 293-301.	4.3	32
36	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.	0.6	274

#	Article	IF	Citations
37	Type 2 Diabetes Mellitus and Skeletal Muscle Metabolic Function. Physiology and Behavior, 2008, 94, 252-258.	2.1	154
38	Lower Intrinsic ADP-Stimulated Mitochondrial Respiration Underlies In Vivo Mitochondrial Dysfunction in Muscle of Male Type 2 Diabetic Patients. Diabetes, 2008, 57, 2943-2949.	0.6	298