

# Esther Phielix

## List of Publications by Year in descending order

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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	The role of mitochondria in insulin resistance and type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2012, 8, 92-103.	9.6	471
2	Role of diacylglycerol activation of PKC $\beta$ in lipid-induced muscle insulin resistance in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9597-9602.	7.1	326
3	Lower Intrinsic ADP-Stimulated Mitochondrial Respiration Underlies In Vivo Mitochondrial Dysfunction in Muscle of Male Type 2 Diabetic Patients. <i>Diabetes</i> , 2008, 57, 2943-2949.	0.6	298
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.	0.6	274
5	Type 2 Diabetes Mellitus and Skeletal Muscle Metabolic Function. <i>Physiology and Behavior</i> , 2008, 94, 252-258.	2.1	154
6	Circadian misalignment induces fatty acid metabolism gene profiles and compromises insulin sensitivity in human skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7789-7794.	7.1	138
7	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. <i>Diabetes</i> , 2017, 66, 2241-2253.	0.6	124
8	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.	8.6	107
9	Mechanisms Underlying the Onset of Oral Lipid-Induced Skeletal Muscle Insulin Resistance in Humans. <i>Diabetes</i> , 2013, 62, 2240-2248.	0.6	102
10	Evidence for a Direct Effect of the NAD <sup>+</sup> Precursor Acipimox on Muscle Mitochondrial Function in Humans. <i>Diabetes</i> , 2015, 64, 1193-1201.	0.6	99
11	Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 413-426.	4.7	96
12	PPAR $\gamma$ coactivator-1 $\alpha$ contributes to exercise-induced regulation of intramuscular lipid droplet programming in mice and humans. <i>Journal of Lipid Research</i> , 2013, 54, 522-534.	4.2	89
13	High Oxidative Capacity Due to Chronic Exercise Training Attenuates Lipid-Induced Insulin Resistance. <i>Diabetes</i> , 2012, 61, 2472-2478.	0.6	71
14	Relationships between Mitochondrial Function and Metabolic Flexibility in Type 2 Diabetes Mellitus. <i>PLoS ONE</i> , 2013, 8, e51648.	2.5	62
15	Long $\alpha$ -echo time MR spectroscopy for skeletal muscle acetylcarnitine detection. <i>Journal of Clinical Investigation</i> , 2014, 124, 4915-4925.	8.2	54
16	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. <i>Diabetologia</i> , 2014, 57, 572-581.	6.3	51
17	Tissue-Specific Differences in the Development of Insulin Resistance in a Mouse Model for Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 3856-3867.	0.6	51
18	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.	6.1	48

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19	Mitochondrial Function and Insulin Resistance during Aging – A Mini-Review. <i>Gerontology</i> , 2011, 57, 387-396.	2.8	42
20	A randomized placebo-controlled clinical trial for pharmacological activation of BCAA catabolism in patients with type 2 diabetes. <i>Nature Communications</i> , 2022, 13, .	12.8	42
21	Passive exposure to heat improves glucose metabolism in overweight humans. <i>Acta Physiologica</i> , 2020, 229, e13488.	3.8	33
22	The use of statins potentiates the insulin-sensitizing effect of exercise training in obese males with and without Type 2 diabetes. <i>Clinical Science</i> , 2010, 119, 293-301.	4.3	32
23	Enhanced lipid- but not carbohydrate-supported mitochondrial respiration in skeletal muscle of PGC overexpressing mice. <i>Journal of Cellular Physiology</i> , 2012, 227, 1026-1033.	4.1	31
24	Time course of postprandial hepatic phosphorus metabolites in lean, obese, and type 2 diabetes patients. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1051-1058.	4.7	30
25	Elevated Plasma Branched-Chain Amino Acid Levels Correlate With Type 2 Diabetes-Related Metabolic Disturbances. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1827-e1836.	3.6	28
26	ANT1-mediated fatty acid-induced uncoupling as a target for improving myocellular insulin sensitivity. <i>Diabetologia</i> , 2016, 59, 1030-1039.	6.3	25
27	Evaluation of Muscle microRNA Expression in Relation to Human Peripheral Insulin Sensitivity: A Cross-Sectional Study in Metabolically Distinct Subject Groups. <i>Frontiers in Physiology</i> , 2017, 8, 711.	2.8	25
28	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 1415-1423.	3.6	22
29	Supramolecular structure of dietary fat in early life modulates expression of markers for mitochondrial content and capacity in adipose tissue of adult mice. <i>Nutrition and Metabolism</i> , 2017, 14, 37.	3.0	19
30	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.	6.3	18
31	Metabolic responses to mild cold acclimation in type 2 diabetes patients. <i>Nature Communications</i> , 2021, 12, 1516.	12.8	13
32	Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. <i>Diabetologia</i> , 2021, 64, 2817-2828.	6.3	12
33	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. <i>International Journal of Obesity</i> , 2021, 45, 1510-1520.	3.4	10
34	Relationship of C5L2 Receptor to Skeletal Muscle Substrate Utilization. <i>PLoS ONE</i> , 2013, 8, e57494.	2.5	6
35	Athletes feature greater rates of muscle glucose transport and glycogen synthesis during lipid infusion. <i>JCI Insight</i> , 2019, 4, .	5.0	6
36	Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming. <i>Pharmacological Research</i> , 2022, 179, 106193.	7.1	3

#	ARTICLE	IF	CITATIONS
37	L-carnitine infusion does not alleviate lipid-induced insulin resistance and metabolic inflexibility. PLoS ONE, 2020, 15, e0239506.	2.5	2
38	Assessing Multiple Features of Mitochondrial Function. Diabetes, 2013, 62, 1826-1828.	0.6	1