# Joris Hoeks

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2521629/publications.pdf

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| 88 | 9,300 | 101384 | 49773 |
|---|---|---|---|
| papers | citations | 36 h-index | 87 g-index |

| 89 | 89 | 89 | 12833 |
|---|---|---|---|
| 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 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensitivity. Diabetologia, 2021, 64, 424-436. | 2.9 | 37 |
| 7 | 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 |
| 8 | Resveratrolâ€induced remodelling of myocellular lipid stores: A study in metabolically compromised humans. Physiological Reports, 2021, 9, e14692. | 0.7 | 2 |
| 9 | 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 |
| 10 | Prolonged Î²<sub>2</sub>-adrenergic agonist treatment improves glucose homeostasis in diet-induced obese UCP1<sup>â^'/â^'</sup> mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E619-E628. | 1.8 | 6 |
| 11 | Metabolic responses to mild cold acclimation in type 2 diabetes patients. Nature Communications, 2021, 12, 1516. | 5.8 | 13 |
| 12 | 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 |
| 13 | Adaptability to Balance Perturbations During Walking as a Potential Marker of Falls History in Older Adults. Frontiers in Sports and Active Living, 2021, 3, 682861. | 0.9 | 11 |
| 14 | Circadian misalignment disturbs the skeletal muscle lipidome in healthy young men. FASEB Journal, 2021, 35, e21611. | 0.2 | 8 |
| 15 | 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 |
| 16 | Propionate hampers differentiation and modifies histone propionylation and acetylation in skeletal muscle cells. Mechanisms of Ageing and Development, 2021, 196, 111495. | 2.2 | 15 |
| 17 | Skeletal muscle mitochondrial network dynamics in metabolic disorders and aging. Trends in Molecular Medicine, 2021, 27, 1033-1044. | 3.5 | 28 |
| 18 | Impact of aging and exercise on skeletal muscle mitochondrial capacity, energy metabolism, and physical function. Nature Communications, 2021, 12, 4773. | 5.8 | 64 |

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|---|---|---|---|
| 19 | Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. Diabetologia, 2021, 64, 2817-2828. | 2.9 | 12 |
| 20 | Mild intermittent hypoxia exposure induces metabolic and molecular adaptations in men with obesity. Molecular Metabolism, 2021, 53, 101287. | 3.0 | 8 |
| 21 | No evidence for brown adipose tissue activation after creatine supplementation in adult vegetarians. Nature Metabolism, 2021, 3, 107-117. | 5.1 | 15 |
| 22 | 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 |
| 23 | Effects of Beetroot Powder with or without L-Arginine on Postprandial Vascular Endothelial Function: Results of a Randomized Controlled Trial with Abdominally Obese Men. Nutrients, 2020, 12, 3520. | 1.7 | 5 |
| 24 | 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 |
| 25 | MicroRNAâ€204â€5p modulates mitochondrial biogenesis in C2C12 myotubes and associates with oxidative capacity in humans. Journal of Cellular Physiology, 2020, 235, 9851-9863. | 2.0 | 18 |
| 26 | Treatment with a Î²-2-adrenoceptor agonist stimulates glucose uptake in skeletal muscle and improves glucose homeostasis, insulin resistance and hepatic steatosis in mice with diet-induced obesity. Diabetologia, 2020, 63, 1603-1615. | 2.9 | 33 |
| 27 | Day-night rhythm of skeletal muscle metabolism is disturbed in older, metabolically compromised individuals. Molecular Metabolism, 2020, 41, 101050. | 3.0 | 22 |
| 28 | 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 |
| 29 | MicroRNAâ€382 silencing induces a mitonuclear protein imbalance and activates the mitochondrial unfolded protein response in muscle cells. Journal of Cellular Physiology, 2019, 234, 6601-6610. | 2.0 | 19 |
| 30 | 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. Diabetologia, 2019, 62, 112-122. | 2.9 | 18 |
| 31 | 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 |
| 32 | Distinct lipid droplet characteristics and distribution unmask the apparent contradiction of the athlete's paradox. Molecular Metabolism, 2018, 17, 71-81. | 3.0 | 74 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Demonstration of a day-night rhythm in human skeletal muscle oxidative capacity. Molecular Metabolism, 2016, 5, 635-645. | 3.0 | 136 |
| 38 | 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 |
| 39 | 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 |
| 40 | Decoration of intramyocellular lipid droplets with PLIN5 modulates fasting-induced insulin resistance and lipotoxicity in humans. Diabetologia, 2016, 59, 1040-1048. | 2.9 | 38 |
| 41 | ANT1-mediated fatty acid-induced uncoupling as a target for improving myocellular insulin sensitivity. Diabetologia, 2016, 59, 1030-1039. | 2.9 | 25 |
| 42 | Short-term Cold Acclimation Recruits Brown Adipose Tissue in Obese Humans. Diabetes, 2016, 65, 1179-1189. | 0.3 | 241 |
| 43 | Effects of high-fat feeding on ectopic fat storage and postprandial lipid metabolism in mouse offspring. Obesity, 2015, 23, 2242-2250. | 1.5 | 1 |
| 44 | Short-term cold acclimation improves insulin sensitivity in patients with type 2 diabetes mellitus. Nature Medicine, 2015, 21, 863-865. | 15.2 | 460 |
| 45 | Low brown adipose tissue activity in endurance-trained compared with lean sedentary men. International Journal of Obesity, 2015, 39, 1696-1702. | 1.6 | 157 |
| 46 | Glucose uptake in human brown adipose tissue is impaired upon fasting-induced insulin resistance. Diabetologia, 2015, 58, 586-595. | 2.9 | 72 |
| 47 | 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 |
| 48 | 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 |
| 49 | Longâ€“echo time MR spectroscopy for skeletal muscle acetylcarnitine detection. Journal of Clinical Investigation, 2014, 124, 4915-4925. | 3.9 | 54 |
| 50 | The Hypoxia-Inducible MicroRNA Cluster miR-199aâ¼214 Targets Myocardial PPARÎ´ and Impairs Mitochondrial Fatty Acid Oxidation. Cell Metabolism, 2013, 18, 341-354. | 7.2 | 193 |
| 51 | Increased Oxygen Consumption in Human Adipose Tissue From the â€œBrown Adipose Tissueâ€•Region. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1230-E1234. | 1.8 | 34 |
| 52 | Impaired skeletal muscle mitochondrial function in morbidly obese patients is normalized one year after bariatric surgery. Surgery for Obesity and Related Diseases, 2013, 9, 936-941. | 1.0 | 43 |
| 53 | Effects of Bezafibrate Treatment in a Patient and a Carrier With Mutations in the PNPLA2 Gene, Causing Neutral Lipid Storage Disease With Myopathy. Circulation Research, 2013, 112, e51-4. | 2.0 | 35 |
| 54 | Cold acclimation recruits human brown fat and increases nonshivering thermogenesis. Journal of Clinical Investigation, 2013, 123, 3395-3403. | 3.9 | 658 |

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|---|---|---|---|
| 55 | Relationship of C5L2 Receptor to Skeletal Muscle Substrate Utilization. PLoS ONE, 2013, 8, e57494. | 1.1 | 6 |
| 56 | 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 |
| 57 | High Oxidative Capacity Due to Chronic Exercise Training Attenuates Lipid-Induced Insulin Resistance. Diabetes, 2012, 61, 2472-2478. | 0.3 | 71 |
| 58 | 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 |
| 59 | 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 |
| 60 | Beige Adipocytes Are a Distinct Type of Thermogenic Fat Cell in Mouse and Human. Cell, 2012, 150, 366-376. | 13.5 | 2,740 |
| 61 | Muscle mitochondria and insulin resistance: a human perspective. Trends in Endocrinology and Metabolism, 2012, 23, 444-450. | 3.1 | 81 |
| 62 | 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 |
| 63 | Enhanced lipidâ€"but not carbohydrateâ€"supported mitochondrial respiration in skeletal muscle of PGCâ€1Î± overexpressing mice. Journal of Cellular Physiology, 2012, 227, 1026-1033. | 2.0 | 31 |
| 64 | 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 |
| 65 | The Effects of Longâ€•or Mediumâ€€Chain Fat Diets on Glucose Tolerance and Myocellular Content of Lipid Intermediates in Rats. Obesity, 2011, 19, 792-799. | 1.5 | 19 |
| 66 | Short-term increase of plasma free fatty acids does not interfere with intrinsic mitochondrial function in healthy young men. Metabolism: Clinical and Experimental, 2011, 60, 1398-1405. | 1.5 | 14 |
| 67 | 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 |
| 68 | 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 |
| 69 | High-fat diets rich in medium- versus long-chain fatty acids induce distinct patterns of tissue specific insulin resistance. Journal of Nutritional Biochemistry, 2011, 22, 366-371. | 1.9 | 24 |
| 70 | High Fat Diet-Induced Changes in Mouse Muscle Mitochondrial Phospholipids Do Not Impair Mitochondrial Respiration Despite Insulin Resistance. PLoS ONE, 2011, 6, e27274. | 1.1 | 28 |
| 71 | High levels of whole-body energy expenditure are associated with a lower coupling of skeletal muscle mitochondria in C57Bl/6 mice. Metabolism: Clinical and Experimental, 2010, 59, 1612-1618. | 1.5 | 13 |
| 72 | 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 |

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|---|---|---|---|
| 73 | Adaptations in Mitochondrial Function Parallel, but Fail to Rescue, the Transition to Severe Hyperglycemia and Hyperinsulinemia: A Study in Zucker Diabetic Fatty Rats. Obesity, 2010, 18, 1100-1107. | 1.5 | 25 |
| 74 | Prolonged Fasting Identifies Skeletal Muscle Mitochondrial Dysfunction as Consequence Rather Than Cause of Human Insulin Resistance. Diabetes, 2010, 59, 2117-2125. | 0.3 | 131 |
| 75 | Mitochondrial dysfunction and lipotoxicity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 266-271. | 1.2 | 200 |
| 76 | Mitochondrial function, content and ROS production in rat skeletal muscle: Effect of highâ€fat feeding. FEBS Letters, 2008, 582, 510-516. | 1.3 | 52 |
| 77 | 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 |
| 78 | Mitochondrial uncoupling protein 3 and its role in cardiac- and skeletal muscle metabolism. Physiology and Behavior, 2008, 94, 259-269. | 1.0 | 58 |
| 79 | 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 |
| 80 | The effect of high-fat feeding on intramuscular lipid and lipid peroxidation levels in UCP3-ablated mice. FEBS Letters, 2006, 580, 1371-1375. | 1.3 | 20 |
| 81 | 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 |
| 82 | Peroxisome proliferator-activated receptor-Î³ coactivator-1 and insulin resistance: acute effect of fatty acids. Diabetologia, 2006, 49, 2419-2426. | 2.9 | 68 |
| 83 | Involvement of UCP3 in mild uncoupling and lipotoxicity. Experimental Gerontology, 2006, 41, 658-662. | 1.2 | 25 |
| 84 | Lipid-induced cell stress and insulin resistance. Food Nutrition Research, 2006, 50, 62-67. | 0.3 | 4 |
| 85 | UCP1 and Defense against Oxidative Stress. Journal of Biological Chemistry, 2006, 281, 13882-13893. | 1.6 | 79 |
| 86 | Differential response of UCP3 to medium versus long chain triacylglycerols; manifestation of a functional adaptation. FEBS Letters, 2003, 555, 631-637. | 1.3 | 36 |
| 87 | Uncoupling protein 3 as a mitochondrial fatty acid anion exporter. FASEB Journal, 2003, 17, 2272-2274. | 0.2 | 101 |
| 88 | Effect of Î²<sub>1</sub>- and Î²<sub>2</sub>-adrenergic stimulation on energy expenditure, substrate oxidation, and UCP3 expression in humans. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E775-E782. | 1.8 | 70 |