# Paula M Miotto

List of Publications by Year
in descending order



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|---|---|---|---|
| 31 papers | 951 citations | 623188 14 h-index | 525886 27 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 1443 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Liver as an Endocrine Organâ€"Linking NAFLD and Insulin Resistance. Endocrine Reviews, 2019, 40, 1367-1393. | 8.9 | 341 |
| 2 | Age-Associated Impairments in Mitochondrial ADP Sensitivity Contribute to Redox Stress in Senescent Human Skeletal Muscle. Cell Reports, 2018, 22, 2837-2848. | 2.9 | 86 |
| 3 | Sex differences in mitochondrial respiratory function in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R909-R915. | 0.9 | 70 |
| 4 | High-Fat Diet Causes Mitochondrial Dysfunction as a Result of Impaired ADP Sensitivity. Diabetes, 2018, 67, 2199-2205. | 0.3 | 68 |
| 5 | Ablating the protein TBC1D1 impairs contraction-induced sarcolemmal glucose transporter 4 redistribution but not insulin-mediated responses in rats. Journal of Biological Chemistry, 2017, 292, 16653-16664. | 1.6 | 49 |
| 6 | Supplementation with dietary Ï‰â€3 mitigates immobilizationâ€induced reductions in skeletal muscle mitochondrial respiration in young women. FASEB Journal, 2019, 33, 8232-8240. | 0.2 | 40 |
| 7 | Shortâ€term bed restâ€induced insulin resistance cannot be explained by increased mitochondrial H<sub>2</sub>O<sub>2</sub> emission. Journal of Physiology, 2020, 598, 123-137. | 1.3 | 32 |
| 8 | In the absence of phosphate shuttling, exercise reveals the in vivo importance of creatine-independent mitochondrial ADP transport. Biochemical Journal, 2016, 473, 2831-2843. | 1.7 | 30 |
| 9 | Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. Molecular Metabolism, 2021, 45, 101157. | 3.0 | 22 |
| 10 | Prior exercise training improves cold tolerance independent of indices associated with nonâ€shivering thermogenesis. Journal of Physiology, 2018, 596, 4375-4391. | 1.3 | 21 |
| 11 | Exercise-induced reductions in mitochondrial ADP sensitivity contribute to the induction of gene expression and mitochondrial biogenesis through enhanced mitochondrial H2O2 emission. Mitochondrion, 2019, 46, 116-122. | 1.6 | 20 |
| 12 | Maternal High Fat Feeding Does Not Have Long-Lasting Effects on Body Composition and Bone Health in Female and Male Wistar Rat Offspring at Young Adulthood. Molecules, 2013, 18, 15094-15109. | 1.7 | 17 |
| 13 | GIP receptor deletion in mice confers resistance to high-fat diet-induced obesity via alterations in energy expenditure and adipose tissue lipid metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E835-E845. | 1.8 | 17 |
| 14 | Î±-Linolenic acid supplementation and exercise training reveal independent and additive responses on hepatic lipid accumulation in obese rats. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E461-E470. | 1.8 | 16 |
| 15 | Controlling skeletal muscle CPT-I malonyl-CoA sensitivity: the importance of AMPK-independent regulation of intermediate filaments during exercise. Biochemical Journal, 2017, 474, 557-569. | 1.7 | 15 |
| 16 | Î±-linolenic acid supplementation prevents exercise-induced improvements in white adipose tissue mitochondrial bioenergetics and whole-body glucose homeostasis in obese Zucker rats. Diabetologia, 2018, 61, 433-444. | 2.9 | 13 |
| 17 | Combined highâ€fatâ€resveratrol diet and RIP140 knockout mice reveal a novel relationship between elevated bone mitochondrial content and compromised bone microarchitecture, bone mineral mass, and bone strength in the tibia. Molecular Nutrition and Food Research, 2016, 60, 1994-2007. | 1.5 | 12 |
| 18 | Mitochondrial-derived reactive oxygen species influence ADP sensitivity, but not CPT-I substrate sensitivity. Biochemical Journal, 2018, 475, 2997-3008. | 1.7 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Adipose Tissue Inflammation Is Directly Linked to Obesity-Induced Insulin Resistance, while Gut Dysbiosis and Mitochondrial Dysfunction Are Not Required. Function, 2020, 1, zqaa013. | 1.1 | 12 |
| 20 | Proteomic analysis reveals exercise training induced remodelling of hepatokine secretion and uncovers syndecan-4 as a regulator of hepatic lipid metabolism. Molecular Metabolism, 2022, 60, 101491. | 3.0 | 12 |
| 21 | A Maternal High Fat Diet Has Longâ€Lasting Effects on Skeletal Muscle Lipid and PLIN Protein Content in Rat Offspring at Young Adulthood. Lipids, 2015, 50, 205-217. | 0.7 | 11 |
| 22 | Deep proteomic profiling unveils arylsulfatase A as a non-alcoholic steatohepatitis inducible hepatokine and regulator of glycemic control. Nature Communications, 2022, 13, 1259. | 5.8 | 11 |
| 23 | Acute insulin deprivation results in altered mitochondrial substrate sensitivity conducive to greater fatty acid transport. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E345-E353. | 1.8 | 9 |
| 24 | Saturation of SERCA's lipid annulus may protect against its thermal inactivation. Biochemical and Biophysical Research Communications, 2017, 484, 456-460. | 1.0 | 8 |
| 25 | CL 316, 243 mediated reductions in blood glucose are enhanced in RIP140â^'/â^' mice independent of alterations in lipolysis. Biochemical and Biophysical Research Communications, 2017, 486, 486-491. | 1.0 | 4 |
| 26 | The importance of exercise intensity, volume and metabolic signalling events in the induction of mitochondrial biogenesis. Journal of Physiology, 2018, 596, 4571-4572. | 1.3 | 2 |
| 27 | High Saturated Fat Diet Alters the Lipid Composition of Triacylglycerol and Polar Lipids in the Femur of Dam and Offspring Rats. Lipids, 2015, 50, 605-610. | 0.7 | 1 |
| 28 | Compensatory increases in protein markers of mitochondrial dynamics during ageing are adaptable to physical activity. Journal of Physiology, 2017, 595, 5753-5754. | 1.3 | 0 |
| 29 | Role of Mitochondria in the Skeletal Muscle Metabolism in Obesity and Type 2 Diabetes. , 2019, , 155-172. | | 0 |
| 30 | Fission accomplished: Uncovering the role of Drp1 in regulating mitochondrial dysfunction and ageâ€related muscle atrophy. Journal of Physiology, 2021, 599, 4745-4747. | 1.3 | 0 |
| 31 | Impact of maternal high saturated fat diet on bone lipid content in weanling and 3 month old female offspring. FASEB Journal, 2013, 27, lb415. | 0.2 | 0 |