

Sonia Fernandez-Veledo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8572720/sonia-fernandez-veledo-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

2,711
citations

28
h-index

51
g-index

95
ext. papers

3,389
ext. citations

6.2
avg. IF

4.91
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 81 | Insulin resistance associated to obesity: the link TNF-alpha. <i>Archives of Physiology and Biochemistry</i> , 2008 , 114, 183-94 | 2.2 | 310 |
| 80 | Dual role of interleukin-6 in regulating insulin sensitivity in murine skeletal muscle. <i>Diabetes</i> , 2008 , 57, 3211-21 | 0.9 | 162 |
| 79 | Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. <i>ISME Journal</i> , 2018 , 12, 1642-1657 | 11.9 | 132 |
| 78 | Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. <i>Cell</i> , 2019 , 177, 881-895.e17 | 56.2 | 109 |
| 77 | Insulin resistance induced by tumor necrosis factor-alpha in myocytes and brown adipocytes. <i>Journal of Animal Science</i> , 2008 , 86, E94-104 | 0.7 | 105 |
| 76 | Enhanced fatty acid oxidation in adipocytes and macrophages reduces lipid-induced triglyceride accumulation and inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E756-69 | 6 | 99 |
| 75 | Human aquaporin-11 is a water and glycerol channel and localizes in the vicinity of lipid droplets in human adipocytes. <i>Obesity</i> , 2014 , 22, 2010-7 | 8 | 86 |
| 74 | Adenosine 5'-monophosphate-activated protein kinase-mammalian target of rapamycin cross talk regulates brown adipocyte differentiation. <i>Endocrinology</i> , 2010 , 151, 980-92 | 4.8 | 85 |
| 73 | Obesity and Type 2 Diabetes Alters the Immune Properties of Human Adipose Derived Stem Cells. <i>Stem Cells</i> , 2016 , 34, 2559-2573 | 5.8 | 77 |
| 72 | G protein-coupled receptor kinase 2 plays a relevant role in insulin resistance and obesity. <i>Diabetes</i> , 2010 , 59, 2407-17 | 0.9 | 77 |
| 71 | SUCNR1 controls an anti-inflammatory program in macrophages to regulate the metabolic response to obesity. <i>Nature Immunology</i> , 2019 , 20, 581-592 | 19.1 | 75 |
| 70 | Protein-tyrosine phosphatase 1B-deficient myocytes show increased insulin sensitivity and protection against tumor necrosis factor-alpha-induced insulin resistance. <i>Diabetes</i> , 2007 , 56, 404-13 | 0.9 | 75 |
| 69 | Role of the human concentrative nucleoside transporter (hCNT1) in the cytotoxic action of 5[Prime]-deoxy-5-fluorouridine, an active intermediate metabolite of capecitabine, a novel oral anticancer drug. <i>Molecular Pharmacology</i> , 2001 , 59, 1542-8 | 4.3 | 72 |
| 68 | c-Jun N-terminal kinase 1/2 activation by tumor necrosis factor-alpha induces insulin resistance in human visceral but not subcutaneous adipocytes: reversal by liver X receptor agonists. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 3583-93 | 5.6 | 67 |
| 67 | Gut microbiota-derived succinate: Friend or foe in human metabolic diseases?. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019 , 20, 439-447 | 10.5 | 61 |
| 66 | Obesity Determines the Immunophenotypic Profile and Functional Characteristics of Human Mesenchymal Stem Cells From Adipose Tissue. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 464-75 | 6.9 | 61 |
| 65 | Disruption of GIP/GIPR axis in human adipose tissue is linked to obesity and insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E908-19 | 5.6 | 58 |

| | | | |
|----|--|------|----|
| 64 | Metabolic rescue of obese adipose-derived stem cells by Lin28/Let7 pathway. <i>Diabetes</i> , 2013 , 62, 2368-70.9 | | 50 |
| 63 | ATP-sensitive K(+) channels regulate the concentrative adenosine transporter CNT2 following activation by A(1) adenosine receptors. <i>Molecular and Cellular Biology</i> , 2004 , 24, 2710-9 | 4.8 | 47 |
| 62 | Molecular mechanisms involved in obesity-associated insulin resistance: therapeutical approach. <i>Archives of Physiology and Biochemistry</i> , 2009 , 115, 227-39 | 2.2 | 44 |
| 61 | Predictive Value of Gut Peptides in T2D Remission: Randomized Controlled Trial Comparing Metabolic Gastric Bypass, Sleeve Gastrectomy and Greater Curvature Plication. <i>Obesity Surgery</i> , 2017 , 27, 2235-2245 | 3.7 | 43 |
| 60 | Adipose tissue glycogen accumulation is associated with obesity-linked inflammation in humans. <i>Molecular Metabolism</i> , 2016 , 5, 5-18 | 8.8 | 37 |
| 59 | Downregulation of G protein-coupled receptor kinase 2 levels enhances cardiac insulin sensitivity and switches on cardioprotective gene expression patterns. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 2448-56 | 6.9 | 33 |
| 58 | Hyperinsulinemia induces insulin resistance on glucose and lipid metabolism in a human adipocytic cell line: paracrine interaction with myocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 2866-76 | 5.6 | 33 |
| 57 | Liver X receptor agonists ameliorate TNFalpha-induced insulin resistance in murine brown adipocytes by downregulating protein tyrosine phosphatase-1B gene expression. <i>Diabetologia</i> , 2006 , 49, 3038-48 | 10.3 | 33 |
| 56 | Ceramide mediates TNF-alpha-induced insulin resistance on GLUT4 gene expression in brown adipocytes. <i>Archives of Physiology and Biochemistry</i> , 2006 , 112, 13-22 | 2.2 | 30 |
| 55 | Adipose tissue mitochondrial dysfunction in human obesity is linked to a specific DNA methylation signature in adipose-derived stem cells. <i>International Journal of Obesity</i> , 2019 , 43, 1256-1268 | 5.5 | 30 |
| 54 | Role of energy- and nutrient-sensing kinases AMP-activated protein kinase (AMPK) and mammalian target of rapamycin (mTOR) in adipocyte differentiation. <i>IUBMB Life</i> , 2013 , 65, 572-83 | 4.7 | 29 |
| 53 | Crohn's Disease Disturbs the Immune Properties of Human Adipose-Derived Stem Cells Related to Inflammasome Activation. <i>Stem Cell Reports</i> , 2017 , 9, 1109-1123 | 8 | 28 |
| 52 | G Protein-coupled receptor kinase 2 (GRK2): A novel modulator of insulin resistance. <i>Archives of Physiology and Biochemistry</i> , 2011 , 117, 125-30 | 2.2 | 28 |
| 51 | Preoperative Circulating Succinate Levels as a Biomarker for Diabetes Remission After Bariatric Surgery. <i>Diabetes Care</i> , 2019 , 42, 1956-1965 | 14.6 | 27 |
| 50 | The rise of soluble TWEAK levels in severely obese subjects after bariatric surgery may affect adipocyte-cytokine production induced by TNF. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1323-33 | 5.6 | 26 |
| 49 | Up-regulation of the high-affinity pyrimidine-preferring nucleoside transporter concentrative nucleoside transporter 1 by tumor necrosis factor-alpha and interleukin-6 in liver parenchymal cells. <i>Journal of Hepatology</i> , 2004 , 41, 538-44 | 13.4 | 26 |
| 48 | GRK2 contribution to the regulation of energy expenditure and brown fat function. <i>FASEB Journal</i> , 2012 , 26, 3503-14 | 0.9 | 24 |
| 47 | Angiopietin-like protein 8 (ANGPTL8) in pregnancy: a brown adipose tissue-derived endocrine factor with a potential role in fetal growth. <i>Translational Research</i> , 2016 , 178, 1-12 | 11 | 23 |

| | | | |
|----|--|------|----|
| 46 | A Glycovariant of Human CD44 is Characteristically Expressed on Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2017 , 35, 1080-1092 | 5.8 | 23 |
| 45 | PPP2R5C Couples Hepatic Glucose and Lipid Homeostasis. <i>PLoS Genetics</i> , 2015 , 11, e1005561 | 6 | 23 |
| 44 | Differences in the Osteogenic Differentiation Capacity of Omental Adipose-Derived Stem Cells in Obese Patients With and Without Metabolic Syndrome. <i>Endocrinology</i> , 2015 , 156, 4492-501 | 4.8 | 22 |
| 43 | TWEAK prevents TNF- α -induced insulin resistance through PP2A activation in human adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E101-12 | 6 | 22 |
| 42 | Bile acids alter the subcellular localization of CNT2 (concentrative nucleoside cotransporter) and increase CNT2-related transport activity in liver parenchymal cells. <i>Biochemical Journal</i> , 2006 , 395, 337-44 | 3.8 | 21 |
| 41 | Transcription factors involved in the expression of SLC28 genes in human liver parenchymal cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 381-8 | 3.4 | 20 |
| 40 | Survivin, a key player in cancer progression, increases in obesity and protects adipose tissue stem cells from apoptosis. <i>Cell Death and Disease</i> , 2017 , 8, e2802 | 9.8 | 16 |
| 39 | Angiotensin-like protein 8/betatrophin as a new determinant of type 2 diabetes remission after bariatric surgery. <i>Translational Research</i> , 2017 , 184, 35-44.e4 | 11 | 16 |
| 38 | The concentrative nucleoside transporter family (SLC28): new roles beyond salvage?. <i>Biochemical Society Transactions</i> , 2005 , 33, 216-9 | 5.1 | 16 |
| 37 | Zinc- α -Glycoprotein Modulates AKT-Dependent Insulin Signaling in Human Adipocytes by Activation of the PP2A Phosphatase. <i>PLoS ONE</i> , 2015 , 10, e0129644 | 3.7 | 16 |
| 36 | The BACE1 product sAPP β induces ER stress and inflammation and impairs insulin signaling. <i>Metabolism: Clinical and Experimental</i> , 2018 , 85, 59-75 | 12.7 | 15 |
| 35 | Role of adipose tissue GLP-1R expression in metabolic improvement after bariatric surgery in patients with type 2 diabetes. <i>Scientific Reports</i> , 2019 , 9, 6274 | 4.9 | 14 |
| 34 | Skeletal muscle myogenesis is regulated by G protein-coupled receptor kinase 2. <i>Journal of Molecular Cell Biology</i> , 2014 , 6, 299-311 | 6.3 | 14 |
| 33 | Changes in metabolic risk, insulin resistance, leptin and adiponectin following a lifestyle intervention in overweight and obese breast cancer survivors. <i>European Journal of Cancer Care</i> , 2018 , 27, e12861 | 2.4 | 13 |
| 32 | FGF-23/Vitamin D Axis in Type 1 Diabetes: The Potential Role of Mineral Metabolism in Arterial Stiffness. <i>PLoS ONE</i> , 2015 , 10, e0140222 | 3.7 | 13 |
| 31 | Cord blood FGF21 in gestational diabetes and its relationship with postnatal growth. <i>Acta Diabetologica</i> , 2015 , 52, 693-700 | 3.9 | 12 |
| 30 | TGF- β transcriptionally activates the gene encoding the high-affinity adenosine transporter CNT2 in rat liver parenchymal cells. <i>Cellular and Molecular Life Sciences</i> , 2006 , 63, 2527-37 | 10.3 | 12 |
| 29 | Changes in Bone Mineral Density in Patients with Type 2 Diabetes After Different Bariatric Surgery Procedures and the Role of Gastrointestinal Hormones. <i>Obesity Surgery</i> , 2020 , 30, 180-188 | 3.7 | 12 |

| | | | |
|----|--|------|----|
| 28 | Microbial Signature in Adipose Tissue of Crohn's Disease Patients. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 11 |
| 27 | Specific Nuclear Magnetic Resonance Lipoprotein Subclass Profiles and Central Arterial Stiffness in Type 1 Diabetes Mellitus: A Case Control Study. <i>Journal of Clinical Medicine</i> , 2019 , 8, | 5.1 | 10 |
| 26 | Different response to hypoxia of adipose-derived multipotent cells from obese subjects with and without metabolic syndrome. <i>PLoS ONE</i> , 2017 , 12, e0188324 | 3.7 | 10 |
| 25 | Rethinking succinate: an unexpected hormone-like metabolite in energy homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2021 , 32, 680-692 | 8.8 | 8 |
| 24 | Adipose tissue and serum CCDC80 in obesity and its association with related metabolic disease. <i>Molecular Medicine</i> , 2017 , 23, 225-234 | 6.2 | 7 |
| 23 | CCNG2 and CDK4 is associated with insulin resistance in adipose tissue. <i>Surgery for Obesity and Related Diseases</i> , 2014 , 10, 691-6 | 3 | 7 |
| 22 | A new era for brown adipose tissue: New insights into brown adipocyte function and differentiation. <i>Archives of Physiology and Biochemistry</i> , 2011 , 117, 195-208 | 2.2 | 7 |
| 21 | Impaired Succinate Response to a Mixed Meal in Obesity and Type 2 Diabetes Is Normalized After Metabolic Surgery. <i>Diabetes Care</i> , 2020 , 43, 2581-2587 | 14.6 | 7 |
| 20 | Gestational diabetes impacts fetal precursor cell responses with potential consequences for offspring. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 351-363 | 6.9 | 6 |
| 19 | Adipose stem cells from patients with Crohn's disease show a distinctive DNA methylation pattern. <i>Clinical Epigenetics</i> , 2020 , 12, 53 | 7.7 | 6 |
| 18 | Utility of Insulin Resistance in Estimating Cardiovascular Risk in Subjects with Type 1 Diabetes According to the Scores of the Steno Type 1 Risk Engine. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 5 |
| 17 | New emerging role of protein-tyrosine phosphatase 1B in the regulation of glycogen metabolism in basal and TNF- α -induced insulin-resistant conditions in an immortalised muscle cell line isolated from mice. <i>Diabetologia</i> , 2011 , 54, 1157-68 | 10.3 | 4 |
| 16 | Serum Insulin Bioassay Reflects Insulin Sensitivity and Requirements in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3814-3821 | 5.6 | 3 |
| 15 | Long-Term Effects in Bone Mineral Density after Different Bariatric Procedures in Patients with Type 2 Diabetes: Outcomes of a Randomized Clinical Trial. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 3 |
| 14 | Role of Gastrointestinal Hormones as a Predictive Factor for Long-Term Diabetes Remission: Randomized Trial Comparing Metabolic Gastric Bypass, Sleeve Gastrectomy, and Greater Curvature Plication. <i>Obesity Surgery</i> , 2021 , 31, 1733-1744 | 3.7 | 3 |
| 13 | Effect of Type 2 Diabetes Mellitus on the Hypoxia-Inducible Factor 1-Alpha Expression. Is There a Relationship with the Clock Genes?. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 2 |
| 12 | Succinate Pathway in Head and Neck Squamous Cell Carcinoma: Potential as a Diagnostic and Prognostic Marker. <i>Cancers</i> , 2021 , 13, | 6.6 | 2 |
| 11 | Elevated plasma succinate levels are linked to higher cardiovascular disease risk factors in young adults. <i>Cardiovascular Diabetology</i> , 2021 , 20, 151 | 8.7 | 2 |

| | | | |
|----|--|-----|---|
| 10 | Early identification of metabolic syndrome risk: A review of reviews and proposal for defining pre-metabolic syndrome status. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2557-2574 | 4.5 | 2 |
| 9 | Changes in glucagon-like peptide 1 and 2 levels in people with obesity after a diet-induced weight-loss intervention are related to a specific microbiota signature: A prospective cohort study. <i>Clinical and Translational Medicine</i> , 2021 , 11, e575 | 5.7 | 1 |
| 8 | Survivin drives tumor-associated macrophage reprogramming: a novel mechanism with potential impact for obesity. <i>Cellular Oncology (Dordrecht)</i> , 2021 , 44, 777-792 | 7.2 | 1 |
| 7 | Effects of stem cells from inducible brown adipose tissue on diet-induced obesity in mice. <i>Scientific Reports</i> , 2021 , 11, 13923 | 4.9 | 1 |
| 6 | Adipose tissue is a key organ for the beneficial effects of GLP-2 metabolic function. <i>British Journal of Pharmacology</i> , 2021 , 178, 2131-2145 | 8.6 | 0 |
| 5 | Cord Blood Advanced Lipoprotein Testing Reveals an Interaction between Gestational Diabetes and Birth-Weight and Suggests a New Early Biomarker of Infant Obesity. <i>Biomedicines</i> , 2022 , 10, 1033 | 4.8 | 0 |
| 4 | Diabetes alters the protein secretome of human adipose-derived stem cells and promotes tumorigenesis in hepatic cancer cells. <i>Clinical and Translational Medicine</i> , 2022 , 12, | 5.7 | 0 |
| 3 | DOP05 Adipose-derived stem cells from Crohn's disease patients show antigen presenting cell-like properties. <i>Journal of Crohn's and Colitis</i> , 2019 , 13, S030-S030 | 1.5 | |
| 2 | TWEAK promotes migration and invasion in MEFs through a mechanism dependent on ERKs activation and Fibulin 3 down-regulation. <i>Journal of Cellular Physiology</i> , 2018 , 233, 968-978 | 7 | |
| 1 | The angiogenic properties of human amniotic membrane stem cells are enhanced in gestational diabetes and associate with fetal adiposity.. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 608 | 8.3 | |