

# Juana Sanchez

## List of Publications by Year in descending order

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77  
papers

2,844  
citations

185998

28  
h-index

182168

51  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3122  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Physiological Role of Breast Milk Leptin in Body Weight Control in Developing Infants. <i>Obesity</i> , 2006, 14, 1371-1377.	1.5	216
2	The intake of physiological doses of leptin during lactation in rats prevents obesity in later life. <i>International Journal of Obesity</i> , 2007, 31, 1199-1209.	1.6	155
3	Leptin Orally Supplied to Neonate Rats Is Directly Uptaken by the Immature Stomach and May Regulate Short-Term Feeding. <i>Endocrinology</i> , 2005, 146, 2575-2582.	1.4	115
4	Oral Supplementation with Physiological Doses of Leptin During Lactation in Rats Improves Insulin Sensitivity and Affects Food Preferences Later in Life. <i>Endocrinology</i> , 2008, 149, 733-740.	1.4	115
5	Sexâ€differential Expression of Metabolismâ€related Genes in Response to a Highâ€fat Diet. <i>Obesity</i> , 2008, 16, 819-826.	1.5	98
6	The Inhibition of Gastric Ghrelin Production by Food Intake in Rats Is Dependent on the Type of Macronutrient. <i>Endocrinology</i> , 2004, 145, 5049-5055.	1.4	86
7	Response to Carbohydrate and Fat Refeeding in the Expression of Genes Involved in Nutrient Partitioning and Metabolism: Striking Effects on Fibroblast Growth Factor-21 Induction. <i>Endocrinology</i> , 2009, 150, 5341-5350.	1.4	86
8	Sequential changes in the expression of genes involved in lipid metabolism in adipose tissue and liver in response to fasting. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 825-836.	1.3	85
9	Gastric leptin: a putative role in the short-term regulation of food intake. <i>British Journal of Nutrition</i> , 2003, 90, 735-741.	1.2	76
10	Induction of NPY/AgRP Orexigenic Peptide Expression in Rat Hypothalamus is an early Event in Fasting: Relationship with Circulating Leptin, Insulin and Glucose. <i>Cellular Physiology and Biochemistry</i> , 2009, 23, 115-124.	1.1	70
11	Diurnal rhythms of leptin and ghrelin in the systemic circulation and in the gastric mucosa are related to food intake in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 448, 500-6.	1.3	69
12	Moderate Caloric Restriction during Gestation in Rats Alters Adipose Tissue Sympathetic Innervation and Later Adiposity in Offspring. <i>PLoS ONE</i> , 2011, 6, e17313.	1.1	69
13	Metabolic programming of obesity by energy restriction during the perinatal period: different outcomes depending on gender and period, type and severity of restriction. <i>Frontiers in Physiology</i> , 2012, 3, 436.	1.3	68
14	Protective effects of leptin during the suckling period against later obesity may be associated with changes in promoter methylation of the hypothalamic pro-opiomelanocortin gene. <i>British Journal of Nutrition</i> , 2011, 106, 769-778.	1.2	63
15	Maternal Dietary Fat Affects Milk Fatty Acid Profile and Impacts on Weight Gain and Thermogenic Capacity of Suckling Rats. <i>Lipids</i> , 2013, 48, 481-495.	0.7	63
16	Leptin Production by the Stomach Is Upâ€regulated in Obese (<i>fa</i>/<i>fa</i>) Zucker Rats. <i>Obesity</i> , 2002, 10, 932-938.	4.0	61
17	Gene Expression Patterns in Visceral and Subcutaneous Adipose Depots in Rats are Linked to Their Morphologic Features. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 547-556.	1.1	61
18	Blood Cells as a Source of Transcriptional Biomarkers of Childhood Obesity and Its Related Metabolic Alterations: Results of the IDEFICS Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E648-E652.	1.8	60

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19	Sexual dimorphism in the lasting effects of moderate caloric restriction during gestation on energy homeostasis in rats is related with fetal programming of insulin and leptin resistance. <i>Nutrition and Metabolism</i> , 2010, 7, 69.	1.3	59
20	Regional differences in the expression of genes involved in lipid metabolism in adipose tissue in response to short- and medium-term fasting and refeeding. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 23-33.	1.9	59
21	Impaired insulin and leptin sensitivity in the offspring of moderate caloric-restricted dams during gestation is early programmed. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1627-1639.	1.9	54
22	Moderate Caloric Restriction in Lactating Rats Protects Offspring against Obesity and Insulin Resistance in Later Life. <i>Endocrinology</i> , 2010, 151, 1030-1041.	1.4	53
23	Leptin intake during the suckling period improves the metabolic response of adipose tissue to a high-fat diet. <i>International Journal of Obesity</i> , 2010, 34, 809-819.	1.6	45
24	Sex-associated differences in the leptin and ghrelin systems related with the induction of hyperphagia under high-fat diet exposure in rats. <i>Hormones and Behavior</i> , 2009, 55, 33-40.	1.0	42
25	Breast Milk Supply of MicroRNA Associated with Leptin and Adiponectin Is Affected by Maternal Overweight/Obesity and Influences Infancy BMI. <i>Nutrients</i> , 2019, 11, 2589.	1.7	40
26	Resistin as a putative modulator of insulin action in the daily feeding/fasting rhythm. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 452, 260-267.	1.3	35
27	Moderate caloric restriction in lactating rats programs their offspring for a better response to HF diet feeding in a sex-dependent manner. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 574-584.	1.9	34
28	Oral Leptin Treatment in Suckling Rats Ameliorates Detrimental Effects in Hypothalamic Structure and Function Caused by Maternal Caloric Restriction during Gestation. <i>PLoS ONE</i> , 2013, 8, e81906.	1.1	33
29	Maternal consumption of a cafeteria diet during lactation in rats leads the offspring to a thin-outside-fat-inside phenotype. <i>International Journal of Obesity</i> , 2017, 41, 1279-1287.	1.6	32
30	Effect of high-fat diet feeding on leptin receptor expression in white adipose tissue in rats: depot- and sex-related differential response. <i>Genes and Nutrition</i> , 2009, 4, 151-156.	1.2	30
31	Identification of early transcriptome-based biomarkers related to lipid metabolism in peripheral blood mononuclear cells of rats nutritionally programmed for improved metabolic health. <i>Genes and Nutrition</i> , 2014, 9, 366.	1.2	29
32	Pectin supplementation in rats mitigates age-related impairment in insulin and leptin sensitivity independently of reducing food intake. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 2022-2033.	1.5	29
33	Cafeteria diet overfeeding in young male rats impairs the adaptive response to fed/fasted conditions and increases adiposity independent of body weight. <i>International Journal of Obesity</i> , 2015, 39, 430-437.	1.6	29
34	Combination of Capsaicin and Hesperidin Reduces the Effectiveness of Each Compound To Decrease the Adipocyte Size and To Induce Browning Features in Adipose Tissue of Western Diet Fed Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9679-9689.	2.4	29
35	Dietary l-leucine supplementation of lactating rats results in a tendency to increase lean/fat ratio associated to lower orexigenic neuropeptide expression in hypothalamus. <i>Peptides</i> , 2010, 31, 1361-1367.	1.2	26
36	Hesperidin and capsaicin, but not the combination, prevent hepatic steatosis and other metabolic syndrome-related alterations in western diet-fed rats. <i>Scientific Reports</i> , 2018, 8, 15100.	1.6	26

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37	UCP1 and oxidative capacity of adipose tissue in adult ferrets ( <i>Mustela putorius furo</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 153, 106-112.	0.8	24
38	Free fatty acid effects on myokine production in combination with exercise mimetics. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1456-1467.	1.5	24
39	Morphology of ferret subcutaneous adipose tissue after 6-month daily supplementation with oral beta-carotene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 305-312.	1.8	23
40	Leptin intake in suckling rats restores altered T3 levels and markers of adipose tissue sympathetic drive and function caused by gestational calorie restriction. <i>International Journal of Obesity</i> , 2015, 39, 959-966.	1.6	23
41	Cafeteria Diet Consumption during Lactation in Rats, Rather than Obesity Per Se, alters miR-222, miR-200a, and miR-26a Levels in Milk. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800928.	1.5	23
42	Dehydroepiandrosterone prevents age-associated alterations, increasing insulin sensitivity. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 809-818.	1.9	21
43	Adiponectin is involved in the protective effect of DHEA against metabolic risk in aged rats. <i>Steroids</i> , 2008, 73, 1128-1136.	0.8	20
44	Time-course Effects of Increased Fatty Acid Supply on the Expression of Genes Involved in Lipid/Glucose Metabolism in Muscle Cells. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 337-346.	1.1	20
45	Offspring predisposition to obesity due to maternal diet-induced obesity in rats is preventable by dietary normalization before mating. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600513.	1.5	20
46	Effects of 6-month daily supplementation with oral beta-carotene in combination or not with benzo[a]pyrene on cell-cycle markers in the lung of ferrets. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 295-304.	1.9	19
47	Effects of $\beta$ -carotene supplementation on adipose tissue thermogenic capacity in ferrets ( <i>Mustela</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlaid</i>	1.2	19
48	Maternal supplementation with an excess of different fat sources during pregnancy and lactation differentially affects feeding behavior in offspring: Putative role of the leptin system. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1715-1728.	1.5	19
49	Blood cell transcriptomic-based early biomarkers of adverse programming effects of gestational calorie restriction and their reversibility by leptin supplementation. <i>Scientific Reports</i> , 2015, 5, 9088.	1.6	19
50	TAS1R3 and UCN2 Transcript Levels in Blood Cells Are Associated With Sugary and Fatty Food Consumption in Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3556-3564.	1.8	19
51	The different satiating capacity of CHO and fats can be mediated by different effects on leptin and ghrelin systems. <i>Behavioural Brain Research</i> , 2010, 213, 183-188.	1.2	18
52	Blood cells transcriptomics as source of potential biomarkers of articular health improvement: effects of oral intake of a rooster combs extract rich in hyaluronic acid. <i>Genes and Nutrition</i> , 2014, 9, 417.	1.2	17
53	Influence of breastfeeding on blood cell transcriptomic-based biomarkers of health in children. <i>Pediatric Obesity</i> , 2014, 9, 463-470.	1.4	16
54	Maternal Fat Supplementation during Late Pregnancy and Lactation Influences the Development of Hepatic Steatosis in Offspring Depending on the Fat Source. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1590-1601.	2.4	15

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55	Role of leptin present in maternal milk in the control of energy balance during the post-natal period. <i>Genes and Nutrition</i> , 2007, 2, 139-141.	1.2	14
56	Nutrient-Gene Interactions in Early Life Programming: Leptin in Breast Milk Prevents Obesity Later on in Life. <i>Advances in Experimental Medicine and Biology</i> , 2009, 646, 95-104.	0.8	14
57	Early alterations in plasma ghrelin levels in offspring of calorie-restricted rats during gestation may be linked to lower sympathetic drive to the stomach. <i>Peptides</i> , 2013, 39, 59-63.	1.2	13
58	The intake of a high-fat diet triggers higher brown adipose tissue UCP1 levels in male rats but not in females. <i>Genes and Nutrition</i> , 2007, 2, 125-126.	1.2	12
59	Early biomarkers identified in a rat model of a healthier phenotype based on early postnatal dietary intervention may predict the response to an obesogenic environment in adulthood. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 208-218.	1.9	12
60	Formation of Hemoglobin Adducts of Acrylamide after Its Ingestion in Rats Is Dependent on Age and Sex. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5096-5101.	2.4	11
61	Identification of blood cell transcriptome-based biomarkers in adulthood predictive of increased risk to develop metabolic disorders using early life intervention rat models. <i>FASEB Journal</i> , 2020, 34, 9003-9017.	0.2	10
62	Lower miR-26a levels in breastmilk affect gene expression in adipose tissue of offspring. <i>FASEB Journal</i> , 2021, 35, e21924.	0.2	10
63	A Common Variant and the Transcript Levels of MC4R Gene Are Associated With Adiposity in Children: The IDEFICS Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4229-4236.	1.8	9
64	Metabolomic approach in milk from calorie-restricted rats during lactation: a potential link to the programming of a healthy phenotype in offspring. <i>European Journal of Nutrition</i> , 2020, 59, 1191-1204.	1.8	9
65	Effect of calcium-enriched high-fat diet on calcium, magnesium and zinc retention in mice. <i>British Journal of Nutrition</i> , 2009, 101, 1463.	1.2	8
66	Alterations in plasma acylcarnitine and amino acid profiles may indicate poor nutrition during the suckling period due to maternal intake of an unbalanced diet and may predict later metabolic dysfunction. <i>FASEB Journal</i> , 2019, 33, 796-807.	0.2	8
67	Metabolic programming of sirtuin 1 (SIRT1) expression by moderate energy restriction during gestation in rats may be related to obesity susceptibility in later life. <i>British Journal of Nutrition</i> , 2013, 109, 757-764.	1.2	7
68	Enhancing Hepatic Fatty Acid Oxidation as a Strategy for Reversing Metabolic Disorders Programmed by Maternal Undernutrition During Gestation. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 1498-1515.	1.1	7
69	Gender-Associated Impact of Early Leucine Supplementation on Adult Predisposition to Obesity in Rats. <i>Nutrients</i> , 2018, 10, 76.	1.7	7
70	miRNAs and Novel Food Compounds Related to the Browning Process. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5998.	1.8	7
71	The Intake of a Cafeteria Diet in Nursing Rats Alters the Breast Milk Concentration of Proteins Important for the Development of Offspring. <i>Nutrients</i> , 2020, 12, 2470.	1.7	6
72	Leptin Intake at Physiological Doses Throughout Lactation in Male Wistar Rats Normalizes the Decreased Density of Tyrosine Hydroxylase-Immunoreactive Fibers in the Stomach Caused by Mild Gestational Calorie Restriction. <i>Frontiers in Physiology</i> , 2018, 9, 256.	1.3	5

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73	Maternal Overfeeding during Lactation Impairs the Metabolic Response to Fed/Fasting Changing Conditions in the Postweaning Offspring. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900504.	1.5	5
74	Sex-dependent changes of hypothalamic neuropeptides in response to a prolonged high-fat diet. <i>Genes and Nutrition</i> , 2007, 2, 127-128.	1.2	4
75	Breast Milk MicroRNAs Related to Leptin and Adiponectin Function Can Be Modulated by Maternal Diet and Influence Offspring Phenotype in Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7237.	1.8	4
76	Maternal Consumption of a Cafeteria Diet during Lactation Leads to Altered Diet-Induced Thermogenesis in Descendants after Exposure to a Western Diet in Adulthood. <i>Nutrients</i> , 2022, 14, 1958.	1.7	2
77	The intake of a hyperlipidic diet stimulates the gastric leptin signalling pathway in female rats. <i>Genes and Nutrition</i> , 2007, 2, 135-135.	1.2	1