

Juana Sanchez

List of Publications by Citations

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

75
papers

2,363
citations

27
h-index

46
g-index

78
ext. papers

2,640
ext. citations

4.6
avg, IF

4.71
L-index

#	Paper	IF	Citations
75	A physiological role of breast milk leptin in body weight control in developing infants. <i>Obesity</i> , 2006 , 14, 1371-7	8	192
74	The intake of physiological doses of leptin during lactation in rats prevents obesity in later life. <i>International Journal of Obesity</i> , 2007 , 31, 1199-209	5.5	136
73	Leptin orally supplied to neonate rats is directly uptaken by the immature stomach and may regulate short-term feeding. <i>Endocrinology</i> , 2005 , 146, 2575-82	4.8	102
72	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, 733-40	4.8	100
71	Sex-differential expression of metabolism-related genes in response to a high-fat diet. <i>Obesity</i> , 2008 , 16, 819-26	8	80
70	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, 825-36	4.6	75
69	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, 5341-50	4.8	74
68	The inhibition of gastric ghrelin production by food intake in rats is dependent on the type of macronutrient. <i>Endocrinology</i> , 2004 , 145, 5049-55	4.8	74
67	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, 115-24	3.9	65
66	Gastric leptin: a putative role in the short-term regulation of food intake. <i>British Journal of Nutrition</i> , 2003 , 90, 735-41	3.6	65
65	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	4.6	60
64	Moderate caloric restriction during gestation in rats alters adipose tissue sympathetic innervation and later adiposity in offspring. <i>PLoS ONE</i> , 2011 , 6, e17313	3.7	57
63	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, 769-78	3.6	57
62	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	4.6	57
61	Maternal dietary fat affects milk fatty acid profile and impacts on weight gain and thermogenic capacity of suckling rats. <i>Lipids</i> , 2013 , 48, 481-95	1.6	55
60	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, 547-56	3.9	53
59	Leptin production by the stomach is up-regulated in obese (fa/fa) Zucker rats. <i>Obesity</i> , 2002 , 10, 932-8		51

58	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, 1627-39	6.3	50
57	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	4.6	50
56	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	6.3	47
55	Moderate caloric restriction in lactating rats protects offspring against obesity and insulin resistance in later life. <i>Endocrinology</i> , 2010 , 151, 1030-41	4.8	42
54	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, E648-52	5.6	37
53	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, 809-19	5.5	36
52	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, 574-84	6.3	30
51	Resistin as a putative modulator of insulin action in the daily feeding/fasting rhythm. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 260-7	4.6	30
50	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	3.7	28
49	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	3.7	28
48	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, 151-6	4.3	25
47	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	4.3	24
46	UCP1 and oxidative capacity of adipose tissue in adult ferrets (<i>Mustela putorius furo</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009 , 153, 106-12	2.6	23
45	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, 2022-33	5.9	22
44	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	4.9	22
43	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	5.5	21
42	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, 430-7	5.5	21
41	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,	6.7	21

40	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, 1361-7	3.8	20
39	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, 959-66	5.5	19
38	Free fatty acid effects on myokine production in combination with exercise mimetics. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1456-67	5.9	19
37	Adiponectin is involved in the protective effect of DHEA against metabolic risk in aged rats. <i>Steroids</i> , 2008 , 73, 1128-36	2.8	19
36	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	6.3	19
35	Dehydroepiandrosterone prevents age-associated alterations, increasing insulin sensitivity. <i>Journal of Nutritional Biochemistry</i> , 2008 , 19, 809-18	6.3	19
34	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, 305-12	6.9	19
33	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	4.9	18
32	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	5.9	18
31	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	5.7	18
30	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, 3556-64	5.6	17
29	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, 337-46	3.9	17
28	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, 1715-28	5.9	16
27	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, 4174-3		15
26	Effects of beta-carotene supplementation on adipose tissue thermogenic capacity in ferrets (<i>Mustela putorius furo</i>). <i>British Journal of Nutrition</i> , 2009 , 102, 1686-94	3.6	15
25	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, 183-8	3.4	14
24	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, 139-41	4.3	14
23	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	5.9	13

22	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	3.8	12
21	Influence of breastfeeding on blood-cell transcript-based biomarkers of health in children. <i>Pediatric Obesity</i> , 2014 , 9, 463-70	4.6	12
20	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	3.6	12
19	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, 1590-601	5.7	11
18	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, 125-6	4.3	11
17	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, 208-18	6.3	8
16	Effect of calcium-enriched high-fat diet on calcium, magnesium and zinc retention in mice. <i>British Journal of Nutrition</i> , 2009 , 101, 1463-6	3.6	8
15	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, 5096-101	5.7	8
14	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, 1498-515	3.9	7
13	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, 757-64	3.6	7
12	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	5.6	6
11	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,	6.7	6
10	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	4.6	5
9	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	0.9	5
8	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	5.2	5
7	Gender-Associated Impact of Early Leucine Supplementation on Adult Predisposition to Obesity in Rats. <i>Nutrients</i> , 2018 , 10,	6.7	4
6	Sex-dependent changes of hypothalamic neuropeptides in response to a prolonged high-fat diet. <i>Genes and Nutrition</i> , 2007 , 2, 127-8	4.3	4
5	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	0.9	4

4	miRNAs and Novel Food Compounds Related to the Browning Process. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
3	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	5.9	2
2	The intake of a hyperlipidic diet stimulates the gastric leptin signalling pathway in female rats. <i>Genes and Nutrition</i> , 2007 , 2, 135	4.3	1
1	Lower miR-26a levels in breastmilk affect gene expression in adipose tissue of offspring. <i>FASEB Journal</i> , 2021 , 35, e21924	0.9	1