

Andreu Palou

List of Publications by Year in Descending Order

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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.

384
papers

10,831
citations

55
h-index

82
g-index

398
ext. papers

12,172
ext. citations

5
avg, IF

6.34
L-index

#	Paper	IF	Citations
384	Implementation of a healthy diet to lactating rats attenuates the early detrimental programming effects in the offspring born to obese dams. Putative relationship with milk hormone levels.. <i>Journal of Nutritional Biochemistry</i> , 2022 , 109043	6.3	0
383	Suboptimal Consumption of Relevant Immune System Micronutrients Is Associated with a Worse Impact of COVID-19 in Spanish Populations. <i>Nutrients</i> , 2022 , 14, 2254	6.7	0
382	Perinatal Treatment with Leptin, but Not Celastrol, Protects from Metabolically Obese, Normal-Weight Phenotype in Rats. <i>Nutrients</i> , 2022 , 14, 2277	6.7	
381	Nicotinamide Riboside Supplementation to Suckling Male Mice Improves Lipid and Energy Metabolism in Skeletal Muscle and Liver in Adulthood. <i>Nutrients</i> , 2022 , 14, 2259	6.7	0
380	Dietary Improvement during Lactation Normalizes miR-26a, miR-222 and miR-484 Levels in the Mammary Gland, but Not in Milk, of Diet-Induced Obese Rats. <i>Biomedicines</i> , 2022 , 10, 1292	4.8	0
379	Rapid visual detection of SARS-CoV-2 by colorimetric loop-mediated isothermal amplification. <i>BioTechniques</i> , 2021 , 70, 218-225	2.5	5
378	Absorption, Distribution, Metabolism, and Excretion of the Main Olive Tree Phenols and Polyphenols: A Literature Review. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5281-5296	5.7	9
377	CUN-BAE Index as a Screening Tool to Identify Increased Metabolic Risk in Apparently Healthy Normal-Weight Adults and Those with Obesity. <i>Journal of Nutrition</i> , 2021 , 151, 2215-2225	4.1	1
376	Sex-Specific Effects of Myo-Inositol Ingested During Lactation in the Improvement of Metabolic Health in Adult Rats. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000965	5.9	1
375	Lactation as a programming window for metabolic syndrome. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13482	4.6	5
374	Benefits of breastfeeding in infant health: a role for milk signaling peptides 2021 , 29-56		3
373	Leptin Supplementation During Lactation Restores Key Liver Metabolite Levels Malprogrammed by Gestational Calorie Restriction. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2001046	5.9	0
372	Long-term programming of skeletal muscle and liver lipid and energy metabolism by resveratrol supplementation to suckling mice. <i>Journal of Nutritional Biochemistry</i> , 2021 , 95, 108770	6.3	4
371	Leptin as a key regulator of the adipose organ. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021 , 1	10.5	7
370	Lower miR-26a levels in breastmilk affect gene expression in adipose tissue of offspring. <i>FASEB Journal</i> , 2021 , 35, e21924	0.9	1
369	Use of human PBMC to analyse the impact of obesity on lipid metabolism and metabolic status: a proof-of-concept pilot study. <i>Scientific Reports</i> , 2021 , 11, 18329	4.9	3
368	DNA Methylation Changes are Associated with the Programming of White Adipose Tissue Browning Features by Resveratrol and Nicotinamide Riboside Neonatal Supplementations in Mice. <i>Nutrients</i> , 2020 , 12,	6.7	12

367	Carotenoids and carotenoid conversion products in adipose tissue biology and obesity: Pre-clinical and human studies. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158676	5.6	19
366	Mouse Models to Study Antiobesogenic Effects of Carotenoids. <i>Methods in Molecular Biology</i> , 2020 , 2083, 403-417	1.4	
365	Maternal diet, rather than obesity itself, has a main influence on milk triacylglycerol profile in dietary obese rats. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158558	5.6	1
364	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
363	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
362	Leptin Distribution in Rat Foetal and Extraembryonic Tissues in Late Gestation: A Physiological View of Amniotic Fluid Leptin. <i>Nutrients</i> , 2020 , 12,	6.7	2
361	Current State of Evidence: Influence of Nutritional and Nutrigenetic Factors on Immunity in the COVID-19 Pandemic Framework. <i>Nutrients</i> , 2020 , 12,	6.7	69
360	Impaired Gene Expression Response to Retinoic Acid Treatment in Human PBMC as Predictor of Metabolic Risk. <i>Nutrients</i> , 2020 , 12,	6.7	3
359	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
358	Regulation of Gene Expression 2020 , 17-25		
357	Regulation of thermogenic capacity in brown and white adipocytes by the prebiotic high-esterified pectin and its postbiotic acetate. <i>International Journal of Obesity</i> , 2020 , 44, 715-726	5.5	11
356	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
355	Blood cell transcript levels in 5-year-old children as potential markers of breastfeeding effects in those small for gestational age at birth. <i>Journal of Translational Medicine</i> , 2019 , 17, 145	8.5	0
354	Biomarkers of Nutrition and Health: New Tools for New Approaches. <i>Nutrients</i> , 2019 , 11,	6.7	85
353	High-Esterified Pectin Reverses Metabolic Malprogramming, Improving Sensitivity to Adipostatic/Adipokine Hormones. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 3633-3642	5.7	9
352	A Lipophilic Fucoxanthin-Rich Extract Ameliorates Effects of Diet-Induced Obesity in C57BL/6J Mice. <i>Nutrients</i> , 2019 , 11,	6.7	21
351	Neonatal Resveratrol and Nicotinamide Riboside Supplementations Sex-Dependently Affect Beige Transcriptional Programming of Preadipocytes in Mouse Adipose Tissue. <i>Frontiers in Physiology</i> , 2019 , 10, 83	4.6	9
350	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

349	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
348	Novel Markers of the Metabolic Impact of Exogenous Retinoic Acid with A Focus on Acylcarnitines and Amino Acids. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
347	Cold Induced Depot-Specific Browning in Ferret Aortic Perivascular Adipose Tissue. <i>Frontiers in Physiology</i> , 2019 , 10, 1171	4.6	4
346	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
345	A Genetic Score of Predisposition to Low-Grade Inflammation Associated with Obesity May Contribute to Discern Population at Risk for Metabolic Syndrome. <i>Nutrients</i> , 2019 , 11,	6.7	13
344	Effects of cold exposure revealed by global transcriptomic analysis in ferret peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2019 , 9, 19985	4.9	4
343	A global perspective on carotenoids: Metabolism, biotechnology, and benefits for nutrition and health. <i>Progress in Lipid Research</i> , 2018 , 70, 62-93	14.3	363
342	Retinoic Acid Increases Fatty Acid Oxidation and Irisin Expression in Skeletal Muscle Cells and Impacts Irisin In Vivo. <i>Cellular Physiology and Biochemistry</i> , 2018 , 46, 187-202	3.9	28
341	Peripheral Blood Cells, a Transcriptomic Tool in Nutrigenomic and Obesity Studies: Current State of the Art. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018 , 17, 1006-1020	16.4	15
340	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
339	Gender-Associated Impact of Early Leucine Supplementation on Adult Predisposition to Obesity in Rats. <i>Nutrients</i> , 2018 , 10,	6.7	4
338	Cognitive impairment in metabolically-obese, normal-weight rats: identification of early biomarkers in peripheral blood mononuclear cells. <i>Molecular Neurodegeneration</i> , 2018 , 13, 14	19	20
337	Programming of the Beige Phenotype in White Adipose Tissue of Adult Mice by Mild Resveratrol and Nicotinamide Riboside Supplementations in Early Postnatal Life. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800463	5.9	19
336	Regulation of Adaptive Thermogenesis and Browning by Prebiotics and Postbiotics. <i>Frontiers in Physiology</i> , 2018 , 9, 1908	4.6	32
335	Vitamin E Metabolic Effects and Genetic Variants: A Challenge for Precision Nutrition in Obesity and Associated Disturbances. <i>Nutrients</i> , 2018 , 10,	6.7	39
334	Leptin as a breast milk component for the prevention of obesity. <i>Nutrition Reviews</i> , 2018 , 76, 875-892	6.4	33
333	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
332	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

331	Dietary vitamin A impacts DNA methylation patterns of adipogenesis-related genes in suckling rats. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 650, 75-84	4.1	15
330	Methylation analysis in fatty-acid-related genes reveals their plasticity associated with conjugated linoleic acid and calcium supplementation in adult mice. <i>European Journal of Nutrition</i> , 2017 , 56, 879-891	5.2	14
329	A nutritional perspective on UCP1-dependent thermogenesis. <i>Biochimie</i> , 2017 , 134, 99-117	4.6	40
328	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
327	Long-term intake of a high-protein diet increases liver triacylglycerol deposition pathways and hepatic signs of injury in rats. <i>Journal of Nutritional Biochemistry</i> , 2017 , 46, 39-48	6.3	20
326	Transcriptome analysis in blood cells from children reveals potential early biomarkers of metabolic alterations. <i>International Journal of Obesity</i> , 2017 , 41, 1481-1488	5.5	13
325	Oral leptin supplementation throughout lactation in rats prevents later metabolic alterations caused by gestational calorie restriction. <i>International Journal of Obesity</i> , 2017 , 41, 360-371	5.5	24
324	Gene expression modulation of lipid and central energetic metabolism related genes by high-fat diet intake in the main homeostatic tissues. <i>Food and Function</i> , 2017 , 8, 629-650	6.1	14
323	Screening of potential anti-adipogenic effects of phenolic compounds showing different chemical structure in 3T3-L1 preadipocytes. <i>Food and Function</i> , 2017 , 8, 3576-3586	6.1	37
322	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
321	Human peripheral blood mononuclear cell in vitro system to test the efficacy of food bioactive compounds: Effects of polyunsaturated fatty acids and their relation with BMI. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600353	5.9	11
320	A combination of resveratrol and quercetin induces browning in white adipose tissue of rats fed an obesogenic diet. <i>Obesity</i> , 2017 , 25, 111-121	8	51
319	Cold exposure down-regulates immune response pathways in ferret aortic perivascular adipose tissue. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 981-991	7	14
318	Sexual Dimorphism in the Age-Induced Insulin Resistance, Liver Steatosis, and Adipose Tissue Function in Rats. <i>Frontiers in Physiology</i> , 2017 , 8, 445	4.6	27
317	Specific Features of the Hypothalamic Leptin Signaling Response to Cold Exposure Are Reflected in Peripheral Blood Mononuclear Cells in Rats and Ferrets. <i>Frontiers in Physiology</i> , 2017 , 8, 581	4.6	4
316	Consumption of a Mango Fruit Powder Protects Mice from High-Fat Induced Insulin Resistance and Hepatic Fat Accumulation. <i>Cellular Physiology and Biochemistry</i> , 2017 , 42, 564-578	3.9	10
315	Anti-obesity and insulin-sensitising effects of a glycosaminoglycan mix. <i>Journal of Functional Foods</i> , 2016 , 26, 350-362	5.1	4
314	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

313	Calcium supplementation modulates gut microbiota in a prebiotic manner in dietary obese mice. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 468-80	5.9	54
312	Retinoblastoma Protein Knockdown Favors Oxidative Metabolism and Glucose and Fatty Acid Disposal in Muscle Cells. <i>Journal of Cellular Physiology</i> , 2016 , 231, 708-18	7	9
311	Whole Blood RNA as a Source of Transcript-Based Nutrition- and Metabolic Health-Related Biomarkers. <i>PLoS ONE</i> , 2016 , 11, e0155361	3.7	11
310	Cell-Autonomous Brown-Like Adipogenesis of Preadipocytes From Retinoblastoma Haploinsufficient Mice. <i>Journal of Cellular Physiology</i> , 2016 , 231, 1941-52	7	9
309	Leptin Effect on Acetylation and Phosphorylation of Pgc1 α in Muscle Cells Associated With Ampk and Akt Activation in High-Glucose Medium. <i>Journal of Cellular Physiology</i> , 2016 , 231, 641-9	7	12
308	gene expression in peripheral blood mononuclear cells as an early biomarker of diet-related metabolic alterations. <i>Food and Nutrition Research</i> , 2016 , 60, 33554	3.1	15
307	The intake of high-fat diets induces an obesogenic-like gene expression profile in peripheral blood mononuclear cells, which is reverted by dieting. <i>British Journal of Nutrition</i> , 2016 , 115, 1887-95	3.6	12
306	Isocaloric high-fat feeding directs hepatic metabolism to handling of nutrient imbalance promoting liver fat deposition. <i>International Journal of Obesity</i> , 2016 , 40, 1250-9	5.5	10
305	Carotenoids in Adipose Tissue Biology and Obesity. <i>Sub-Cellular Biochemistry</i> , 2016 , 79, 377-414	5.5	36
304	Carotenoids and their conversion products in the control of adipocyte function, adiposity and obesity. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 572, 112-125	4.1	122
303	White adipose tissue reference network: a knowledge resource for exploring health-relevant relations. <i>Genes and Nutrition</i> , 2015 , 10, 439	4.3	8
302	Peripheral blood mononuclear cells as a source to detect markers of homeostatic alterations caused by the intake of diets with an unbalanced macronutrient composition. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 398-407	6.3	25
301	Identification of Mest/Peg1 gene expression as a predictive biomarker of adipose tissue expansion sensitive to dietary anti-obesity interventions. <i>Genes and Nutrition</i> , 2015 , 10, 27	4.3	26
300	The intake of high-fat diets induces the acquisition of brown adipocyte gene expression features in white adipose tissue. <i>International Journal of Obesity</i> , 2015 , 39, 1619-29	5.5	57
299	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
298	Leptin rapidly induces the expression of metabolic and myokine genes in C2C12 muscle cells to regulate nutrient partition and oxidation. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 92-103	3.9	14
297	Differential effects of habitual chow-based and semi-purified diets on lipid metabolism in lactating rats and their offspring. <i>British Journal of Nutrition</i> , 2015 , 113, 758-69	3.6	3
296	Improved metabolic regulation is associated with retinoblastoma protein gene haploinsufficiency in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E172-83	6	17

295	Gene expression of peripheral blood mononuclear cells is affected by cold exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R824-34	3.2	9
294	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
293	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
292	Body fat loss induced by calcium in co-supplementation with conjugated linoleic acid is associated with increased expression of bone formation genes in adult mice. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1540-6	6.3	6
291	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
290	Moderate calorie restriction during gestation programs offspring for lower BAT thermogenic capacity driven by thyroid and sympathetic signaling. <i>International Journal of Obesity</i> , 2015 , 39, 339-45	5.5	23
289	Synergistic Effects of a Mixture of Glycosaminoglycans to Inhibit Adipogenesis and Enhance Chondrocyte Features in Multipotent Cells. <i>Cellular Physiology and Biochemistry</i> , 2015 , 37, 1792-806	3.9	10
288	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
287	Milk Leptin Surge and Biological Rhythms of Leptin and Other Regulatory Proteins in Breastmilk. <i>PLoS ONE</i> , 2015 , 10, e0145376	3.7	22
286	All-trans retinoic acid induces oxidative phosphorylation and mitochondria biogenesis in adipocytes. <i>Journal of Lipid Research</i> , 2015 , 56, 1100-9	6.3	54
285	Peripheral blood mononuclear cells as a potential source of biomarkers to test the efficacy of weight-loss strategies. <i>Obesity</i> , 2015 , 23, 28-31	8	19
284	Conjugated Linoleic Acid Supplementation under a High-Fat Diet Modulates Stomach Protein Expression and Intestinal Microbiota in Adult Mice. <i>PLoS ONE</i> , 2015 , 10, e0125091	3.7	46
283	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
282	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
281	Reversion to a control balanced diet is able to restore body weight and to recover altered metabolic parameters in adult rats long-term fed on a cafeteria diet. <i>Food Research International</i> , 2014 , 64, 839-848	7	17
280	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, 417-43	4.3	15
279	AB0060 Cross-Talk between the Adipogenic and the Chondrogenic Programs Elicited by A Glycosaminoglycan Mixture. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 824.1-824	2.4	
278	AB0773 A Glycosaminoglycan Rich Commercial Preparation Used in Osteoarthritis Management Favors FAT Loss in Diet-Induced Obese Mice. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 1060.2-1060	2.4	

277	β-Carotene during the suckling period is absorbed intact and induces retinoic acid dependent responses similar to preformed vitamin A in intestine and liver, but not adipose tissue of young rats. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 2157-65	5.9	14
276	Sustained exposure to diets with an unbalanced macronutrient proportion alters key genes involved in energy homeostasis and obesity-related metabolic parameters in rats. <i>Food and Function</i> , 2014 , 5, 3117-31	6.1	15
275	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
274	Influence of breastfeeding on blood-cell transcript-based biomarkers of health in children. <i>Pediatric Obesity</i> , 2014 , 9, 463-70	4.6	12
273	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
272	Expression of "brown-in-white" adipocyte biomarkers shows gender differences and the influence of early dietary exposure. <i>Genes and Nutrition</i> , 2014 , 9, 372	4.3	10
271	Recomendaciones de manipulaci3n dom3stica de frutas y hortalizas para preservar su valor nutritivo. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , 2014 , 18, 100	1.2	3
270	Dietary supplementation of calcium may counteract obesity in mice mediated by changes in plasma fatty acids. <i>Lipids</i> , 2013 , 48, 817-26	1.6	10
269	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
268	Decreased RB1 mRNA, protein, and activity reflect obesity-induced altered adipogenic capacity in human adipose tissue. <i>Diabetes</i> , 2013 , 62, 1923-31	0.9	28
267	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
266	Vitamin A supplementation in early life affects later response to an obesogenic diet in rats. <i>International Journal of Obesity</i> , 2013 , 37, 1169-76	5.5	25
265	Pharmacological and nutritional agents promoting browning of white adipose tissue. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 969-85	5	189
264	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
263	Peripheral blood mononuclear cells: a potential source of homeostatic imbalance markers associated with obesity development. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 459-68	4.6	45
262	Perinatal programming of obesity: an introduction to the topic. <i>Frontiers in Physiology</i> , 2013 , 4, 255	4.6	14
261	Nutritional potential of metabolic remodelling of white adipose tissue. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 650-6	3.8	17
260	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

259	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
258	Challenges in obesity research. <i>Nutricion Hospitalaria</i> , 2013 , 28 Suppl 5, 144-53	1	6
257	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
256	Lipid metabolism in mammalian tissues and its control by retinoic acid. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 177-89	5	131
255	Induction of carnitine palmitoyl transferase 1 and fatty acid oxidation by retinoic acid in HepG2 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 2019-27	5.6	41
254	Adipose triglyceride lipase expression and fasting regulation are differently affected by cold exposure in adipose tissues of lean and obese Zucker rats. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1041-50	6.3	21
253	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
252	Transcriptional analysis reveals a high impact of conjugated linoleic acid on stearoyl-Coenzyme A desaturase 1 mRNA expression in mice gastrocnemius muscle. <i>Genes and Nutrition</i> , 2012 , 7, 537-48	4.3	9
251	BIOCLAIMS standard diet (BIOsd): a reference diet for nutritional physiology. <i>Genes and Nutrition</i> , 2012 , 7, 399-404	4.3	26
250	Diet-induced obesity affects expression of adiponutrin/PNPLA3 and adipose triglyceride lipase, two members of the same family. <i>International Journal of Obesity</i> , 2012 , 36, 225-32	5.5	18
249	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
248	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
247	Cold exposure down-regulates adiponutrin/PNPLA3 mRNA expression and affects its nutritional regulation in adipose tissues of lean and obese Zucker rats. <i>British Journal of Nutrition</i> , 2012 , 107, 1283-95	3.6	2
246	Genetics and Nutrigenomics of Obesity 2011 , 253-290		3
245	Papel de la leptina en la lactancia materna. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , 2011 , 15, 122-123	1.2	
244	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
243	Resveratrol enhances fatty acid oxidation capacity and reduces resistin and Retinol-Binding Protein 4 expression in white adipocytes. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 828-34	6.3	74
242	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

241	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
240	Distinct effects of oleic acid and its trans-isomer elaidic acid on the expression of myokines and adipokines in cell models. <i>British Journal of Nutrition</i> , 2011 , 105, 1226-34	3.6	35
239	Perinatal programming of body weight control by leptin: putative roles of AMP kinase and muscle thermogenesis. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 1830S-1837S	7	29
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