Andreu Palou

List of Publications by Year
in descending order

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393 papers	13,520 citations	20759 60 h-index	40881 93 g-index
398 all docs	398 docs citations	398 times ranked	13269 citing authors

#	Article	IF	Citations
1	A global perspective on carotenoids: Metabolism, biotechnology, and benefits for nutrition and health. Progress in Lipid Research, 2018, 70, 62-93.	5.3	634
2	Î²-Carotene Is an Important Vitamin A Source for Humans. Journal of Nutrition, 2010, 140, 2268S-2285S.	1.3	402
3	Pharmacological and nutritional agents promoting browning of white adipose tissue. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 969-985.	1.2	225
4	A Physiological Role of Breast Milk Leptin in Body Weight Control in Developing Infants. Obesity, 2006, 14, 1371-1377.	1.5	216
5	Remodeling of White Adipose Tissue after Retinoic Acid Administration in Mice. Endocrinology, 2006, 147, 5325-5332.	1.4	213
6	Chromatographic determination of carotenoids in foods. Journal of Chromatography A, 2000, 881, 543-555.	1.8	198
7	Carotenoids and their conversion products in the control of adipocyte function, adiposity and obesity. Archives of Biochemistry and Biophysics, 2015, 572, 112-125.	1.4	170
8	Lipid metabolism in mammalian tissues and its control by retinoic acid. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 177-189.	1.2	167
9	Vitamin A and the regulation of fat reserves. Cellular and Molecular Life Sciences, 2003, 60, 1311-1321.	2.4	156
10	The intake of physiological doses of leptin during lactation in rats prevents obesity in later life. International Journal of Obesity, 2007, 31, 1199-1209.	1.6	155
11	Biomarkers of Nutrition and Health: New Tools for New Approaches. Nutrients, 2019, 11, 1092.	1.7	149
12	Secretory granules of endocrine and chief cells of human stomach mucosa contain leptin. International Journal of Obesity, 2000, 24, 789-793.	1.6	144
13	Beta-Carotene Reduces Body Adiposity of Mice via BCMO1. PLoS ONE, 2011, 6, e20644.	1.1	133
14	Current State of Evidence: Influence of Nutritional and Nutrigenetic Factors on Immunity in the COVID-19 Pandemic Framework. Nutrients, 2020, 12, 2738.	1.7	132
15	Changes of Adiposity in Response to Vitamin A Status Correlate with Changes of PPARÎ³2 Expression. Obesity, 2001, 9, 500-509.	4.0	131
16	Understanding and preventing childhood obesity and related disordersâ€"IDEFICS: A European multilevel epidemiological approach. Nutrition, Metabolism and Cardiovascular Diseases, 2006, 16, 302-308.	1.1	127
17	Cytochrome Oxidase Activity and Mitochondrial Gene Expression in Skeletal Muscle of Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1413-1417.	2.5	126
18	In vitro and in vivo induction of brown adipocyte uncoupling protein (thermogenin) by retinoic acid. Biochemical Journal, 1996, 317, 827-833.	1.7	120

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19	The uncoupling protein, thermogenin. International Journal of Biochemistry and Cell Biology, 1998, 30, 7-11.	1.2	115
20	Modulation of Resistin Expression by Retinoic Acid and Vitamin A Status. Diabetes, 2004, 53, 882-889.	0.3	115
21	Leptin Orally Supplied to Neonate Rats Is Directly Uptaken by the Immature Stomach and May Regulate Short-Term Feeding. Endocrinology, 2005, 146, 2575-2582.	1.4	115
22	Oral Supplementation with Physiological Doses of Leptin During Lactation in Rats Improves Insulin Sensitivity and Affects Food Preferences Later in Life. Endocrinology, 2008, 149, 733-740.	1.4	115
23	The Activity of Cytochrome Oxidase Is Increased in Circulating Lymphocytes of Patients with Chronic Obstructive Pulmonary Disease, Asthma, and Chronic Arthritis. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 32-35.	2.5	113
24	Induction and degradation of the uncoupling protein thermogenin in brown adipocytes in vitro and in vivo. Evidence for a rapidly degradable pool. Biochemical Journal, 1992, 284, 393-398.	1.7	110
25	Opposite effects of feeding a vitamin A-deficient diet and retinoic acid treatment on brown adipose tissue uncoupling protein 1 (UCP1), UCP2 and leptin expression. Journal of Endocrinology, 2000, 166, 511-517.	1.2	104
26	Direct Effects of Testosterone, 17Î²-Estradiol, and Progesterone on Adrenergic Regulation in Cultured Brown Adipocytes: Potential Mechanism for Gender-Dependent Thermogenesis. Endocrinology, 2003, 144, 4923-4930.	1.4	101
27	Opposite actions of testosterone and progesterone on UCP1 mRNA expression in cultured brown adipocytes. Cellular and Molecular Life Sciences, 2002, 59, 1714-1723.	2.4	100
28	Sexâ€differential Expression of Metabolismâ€related Genes in Response to a Highâ€fat Diet. Obesity, 2008, 16, 819-826.	1.5	98
29	Expression of Adipose MicroRNAs Is Sensitive to Dietary Conjugated Linoleic Acid Treatment in Mice. PLoS ONE, 2010, 5, e13005.	1.1	98
30	Olive oil feeding up-regulates uncoupling protein genes in rat brown adipose tissue and skeletal muscle. American Journal of Clinical Nutrition, 2002, 75, 213-220.	2.2	95
31	Retinoic Acid Treatment Enhances Lipid Oxidation and Inhibits Lipid Biosynthesis Capacities in the Liver of Mice. Cellular Physiology and Biochemistry, 2010, 25, 657-666.	1.1	88
32	The Inhibition of Gastric Ghrelin Production by Food Intake in Rats Is Dependent on the Type of Macronutrient. Endocrinology, 2004, 145, 5049-5055.	1.4	86
33	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. Endocrinology, 2009, 150, 5341-5350.	1.4	86
34	Sequential changes in the expression of genes involved in lipid metabolism in adipose tissue and liver in response to fasting. Pflugers Archiv European Journal of Physiology, 2008, 456, 825-836.	1.3	85
35	Leptin intake during lactation prevents obesity and affects food intake and food preferences in later life. Appetite, 2009, 52, 249-252.	1.8	85
36	Sex-associated differences in cold-induced UCP1 synthesis in rodent brown adipose tissue. Pflugers Archiv European Journal of Physiology, 1998, 436, 689-695.	1.3	83

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37	Moderate caloric restriction during gestation results in lower arcuate nucleus NPYâ€•and Î±MSHâ€•neurons and impairs hypothalamic response to fed/fasting conditions in weaned rats. Diabetes, Obesity and Metabolism, 2010, 12, 403-413.	2.2	82
38	Resveratrol enhances fatty acid oxidation capacity and reduces resistin and Retinol-Binding Protein 4 expression in white adipocytes. Journal of Nutritional Biochemistry, 2011, 22, 828-834.	1.9	81
39	Calcium supplementation modulates gut microbiota in a prebiotic manner in dietary obese mice. Molecular Nutrition and Food Research, 2016, 60, 468-480.	1.5	77
40	Gastric leptin: a putative role in the short-term regulation of food intake. British Journal of Nutrition, 2003, 90, 735-741.	1.2	76
41	The intake of high-fat diets induces the acquisition of brown adipocyte gene expression features in white adipose tissue. International Journal of Obesity, 2015, 39, 1619-1629.	1.6	76
42	Obesity: molecular bases of a multifactorial problem. European Journal of Nutrition, 2000, 39, 127-144.	1.8	75
43	Peripheral Blood Mononuclear Cells as a Model to Study the Response of Energy Homeostasis-Related Genes to Acute Changes in Feeding Conditions. OMICS A Journal of Integrative Biology, 2010, 14, 129-141.	1.0	75
44	All-trans retinoic acid induces oxidative phosphorylation and mitochondria biogenesis in adipocytes. Journal of Lipid Research, 2015, 56, 1100-1109.	2.0	74
45	Metabolic Effects of Short Term Food Deprivation in the Rat. Hormone and Metabolic Research, 1981, 13, 326-330.	0.7	73
46	All-Trans Retinoic Acid Increases Oxidative Metabolism in Mature Adipocytes. Cellular Physiology and Biochemistry, 2007, 20, 1061-1072.	1.1	72
47	A method for the simultaneous determinations of total carbohydrate and glycerol in biological samples with the anthrone reagent. Journal of Proteomics, 1981, 4, 227-231.	2.4	70
48	Retinoic Acid Treatment Increases Lipid Oxidation Capacity in Skeletal Muscle of Mice. Obesity, 2008, 16, 585-591.	1.5	70
49	Induction of NPY/AgRP Orexigenic Peptide Expression in Rat Hypothalamus is an early Event in Fasting: Relationship with Circulating Leptin, Insulin and Glucose. Cellular Physiology and Biochemistry, 2009, 23, 115-124.	1.1	70
50	Diurnal rhythms of leptin and ghrelin in the systemic circulation and in the gastric mucosa are related to food intake in rats. Pflugers Archiv European Journal of Physiology, 2004, 448, 500-6.	1.3	69
51	Moderate Caloric Restriction during Gestation in Rats Alters Adipose Tissue Sympathetic Innervation and Later Adiposity in Offspring. PLoS ONE, 2011, 6, e17313.	1.1	69
52	Metabolic programming of obesity by energy restriction during the perinatal period: different outcomes depending on gender and period, type and severity of restriction. Frontiers in Physiology, 2012, 3, 436.	1.3	68
53	Breast and lung cancer are associated with a decrease in blood cell amino acid content. Journal of Nutritional Biochemistry, 2003, 14, 133-138.	1.9	65
54	Perinatal expression of leptin in rat stomach. Developmental Dynamics, 2002, 223, 148-154.	0.8	63

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55	Up-regulation of muscle uncoupling protein 3 gene expression in mice following high fat diet, dietary vitamin A supplementation and acute retinoic acid-treatment. International Journal of Obesity, 2003, 27, 60-69.	1.6	63
56	Effects of retinoic acid administration and dietary vitamin A supplementation on leptin expression in mice: lack of correlation with changes of adipose tissue mass and food intake. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1740, 258-265.	1.8	63
57	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. British Journal of Nutrition, 2011, 106, 769-778.	1.2	63
58	Maternal Dietary Fat Affects Milk Fatty Acid Profile and Impacts on Weight Gain and Thermogenic Capacity of Suckling Rats. Lipids, 2013, 48, 481-495.	0.7	63
59	Adiponectin and Resistin Response in the Onset of Obesity in Male and Female Rats. Obesity, 2008, 16, 723-730.	1.5	62
60	A combination of resveratrol and quercetin induces browning in white adipose tissue of rats fed an obesogenic diet. Obesity, 2017, 25, 111-121.	1.5	62
61	Leptin Production by the Stomach Is Upâ€Regulated in Obese (fa/fa) Zucker Rats. Obesity, 2002, 10, 932-938.	4.0	61
62	Gene Expression Patterns in Visceral and Subcutaneous Adipose Depots in Rats are Linked to Their Morphologic Features. Cellular Physiology and Biochemistry, 2009, 24, 547-556.	1.1	61
63	Blood Cells as a Source of Transcriptional Biomarkers of Childhood Obesity and Its Related Metabolic Alterations: Results of the IDEFICS Study. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E648-E652.	1.8	60
64	Induction of carnitine palmitoyl transferase 1 and fatty acid oxidation by retinoic acid in HepG2 cells. International Journal of Biochemistry and Cell Biology, 2012, 44, 2019-2027.	1.2	60
65	Conjugated Linoleic Acid Supplementation under a High-Fat Diet Modulates Stomach Protein Expression and Intestinal Microbiota in Adult Mice. PLoS ONE, 2015, 10, e0125091.	1.1	60
66	Evidence for masking of brown adipose tissue mitochondrial GDP-binding sites in response to fasting in rats made obese by dietary manipulation. Effects of reversion to standard diet. Biochemical Journal, 1991, 279, 575-579.	1.7	59
67	Brown adipose tissue response to cafeteria diet-feeding involves induction of the UCP2 gene and is impaired in female rats as compared to males. Pflugers Archiv European Journal of Physiology, 1999, 438, 628-634.	1.3	59
68	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. Nutrition and Metabolism, 2010, 7, 69.	1.3	59
69	Regional differences in the expression of genes involved in lipid metabolism in adipose tissue in response to short- and medium-term fasting and refeeding. Journal of Nutritional Biochemistry, 2010, 21, 23-33.	1.9	59
70	Induction of Uncoupling Proteinâ€1 in Mouse Embryonic Fibroblastâ€derived Adipocytes by Retinoic Acid. Obesity, 2010, 18, 655-662.	1.5	58
71	Sexual dimorphism in the adrenergic control of rat brown adipose tissue response to overfeeding. Pflugers Archiv European Journal of Physiology, 2001, 442, 396-403.	1.3	57
72	Carboxypeptidase E and thrombospondin-1 are differently expressed in subcutaneous and visceral fat of obese subjects. Cellular and Molecular Life Sciences, 2002, 59, 1960-1971.	2.4	56

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73	Carotenoids in Adipose Tissue Biology and Obesity. Sub-Cellular Biochemistry, 2016, 79, 377-414.	1.0	56
74	Leptin as a key regulator of the adipose organ. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 13-30.	2.6	56
75	Stimulation of uncoupling protein 1 expression in brown adipocytes by naturally occurring carotenoids. International Journal of Obesity, 1999, 23, 650-655.	1.6	55
76	Leptin in the human stomach. Gut, 2001, 49, 155-155.	6.1	55
77	Peripheral blood mononuclear cells: a potential source of homeostatic imbalance markers associated with obesity development. Pflugers Archiv European Journal of Physiology, 2013, 465, 459-468.	1.3	55
78	Impaired insulin and leptin sensitivity in the offspring of moderate caloric-restricted dams during gestation is early programmed. Journal of Nutritional Biochemistry, 2012, 23, 1627-1639.	1.9	54
79	Screening of potential anti-adipogenic effects of phenolic compounds showing different chemical structure in 3T3-L1 preadipocytes. Food and Function, 2017, 8, 3576-3586.	2.1	54
80	Sexâ€Dependent Dietary Obesity, Induction of UCPs, and Leptin Expression in Rat Adipose Tissues. Obesity, 2001, 9, 579-588.	4.0	53
81	Moderate Caloric Restriction in Lactating Rats Protects Offspring against Obesity and Insulin Resistance in Later Life. Endocrinology, 2010, 151, 1030-1041.	1.4	53
82	A nutritional perspective on UCP1-dependent thermogenesis. Biochimie, 2017, 134, 99-117.	1.3	53
83	Vitamin E Metabolic Effects and Genetic Variants: A Challenge for Precision Nutrition in Obesity and Associated Disturbances. Nutrients, 2018, 10, 1919.	1.7	52
84	All-Trans Retinoic Acid Decreases Murine Adipose Retinol Binding Protein 4 Production. Cellular Physiology and Biochemistry, 2008, 22, 363-372.	1.1	50
85	Regulation of Adaptive Thermogenesis and Browning by Prebiotics and Postbiotics. Frontiers in Physiology, 2018, 9, 1908.	1.3	50
86	Ontogenesis of leptin expression in different adipose tissue depots in the rat. Pflugers Archiv European Journal of Physiology, 2001, 442, 383-390.	1.3	49
87	Beta-carotene affects oxidative stress-related DNA damage in lung epithelial cells and in ferret lung. Carcinogenesis, 2009, 30, 2070-2076.	1.3	49
88	Plasma amino acid concentrations in pregnant rats and in 21-day foetuses. Biochemical Journal, 1977, 166, 49-55.	1.7	48
89	The glutamineÂ27 glutamic acid polymorphism of the Î²2 -adrenoceptor gene is associated with abdominal obesity and greater risk of impaired glucose tolerance in men but not in women: a population-based study in Spain. Clinical Endocrinology, 2003, 59, 476-481.	1.2	48
90	Skeletal muscle changes in patients with obstructive sleep apnoea syndrome. Respiratory Medicine, 2003, 97, 804-810.	1.3	47

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91	Slc27a2 expression in peripheral blood mononuclear cells as a molecular marker for overweight development. International Journal of Obesity, 2010, 34, 831-839.	1.6	47
92	Leptin as a breast milk component for the prevention of obesity. Nutrition Reviews, 2018, 76, 875-892.	2.6	46
93	Association of sets of alleles of genes encoding Î²3â€“adrenoreceptor, uncoupling protein 1 and lipoprotein lipase with increased risk of metabolic complications in obesity. International Journal of Obesity, 2000, 24, 93-100.	1.6	45
94	Dietary calcium attenuation of body fat gain during high-fat feeding in mice. Journal of Nutritional Biochemistry, 2008, 19, 109-117.	1.9	45
95	Leptin intake during the suckling period improves the metabolic response of adipose tissue to a high-fat diet. International Journal of Obesity, 2010, 34, 809-819.	1.6	45
96	Rats Receiving the Slimming Agent Oleoyl-Estrone in Liposomes (Merlin-2) Decrease Food Intake but Maintain Thermogenesis. Archives of Physiology and Biochemistry, 1997, 105, 663-672.	1.0	44
97	Involvement of the retinoblastoma protein in brown and white adipocyte cell differentiation: Functional and physical association with the adipogenic transcription factor C/EBPÎ±. European Journal of Cell Biology, 1998, 77, 117-123.	1.6	44
98	A Lipophilic Fucoxanthin-Rich Phaeodactylum tricornutum Extract Ameliorates Effects of Diet-Induced Obesity in C57BL/6J Mice. Nutrients, 2019, 11, 796.	1.7	44
99	Carotenoids and carotenoid conversion products in adipose tissue biology and obesity: Pre-clinical and human studies. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158676.	1.2	44
100	Sex-associated differences in the leptin and ghrelin systems related with the induction of hyperphagia under high-fat diet exposure in rats. Hormones and Behavior, 2009, 55, 33-40.	1.0	42
101	Retinoic Acid Increases Fatty Acid Oxidation and Irisin Expression in Skeletal Muscle Cells and Impacts Irisin In Vivo. Cellular Physiology and Biochemistry, 2018, 46, 187-202.	1.1	42
102	Glutamine Synthetase Activity in the Organs of Fed and 24-Hours Fasted Rats. Hormone and Metabolic Research, 1981, 13, 199-202.	0.7	41
103	Stabilization of the mRNA for the uncoupling protein thermogenin by transcriptional/translational blockade and by noradrenaline in brown adipocytes differentiated in culture: a degradation factor induced by cessation of stimulation?. Biochemical Journal, 1994, 302, 81-86.	1.7	41
104	Haploinsufficiency of the retinoblastoma protein gene reduces diet-induced obesity, insulin resistance, and hepatosteatosis in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E184-E193.	1.8	41
105	Distinct effects of oleic acid and itstrans-isomer elaidic acid on the expression of myokines and adipokines in cell models. British Journal of Nutrition, 2011, 105, 1226-1234.	1.2	41
106	Breast Milk Supply of MicroRNA Associated with Leptin and Adiponectin Is Affected by Maternal Overweight/Obesity and Influences Infancy BMI. Nutrients, 2019, 11, 2589.	1.7	40
107	PPARâ€Î32 Expression in Response to Cafeteria Diet: Genderâ€•and Depotâ€Specific Effects. Obesity, 2004, 12, 1455-1463.	4.0	39
108	Nutrigenomic approaches for benefit-risk analysis of foods and food components: defining markers of health. British Journal of Nutrition, 2007, 98, 1095-1100.	1.2	39

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109	Changes induced by fasting and dietetic obesity in thermogenic parameters of rat brown adipose tissue mitochondrial subpopulations. Biochemical Journal, 1996, 319, 529-534.	1.7	38
110	Gender Effects on Adrenergic Receptor Expression and Lipolysis in White Adipose Tissue of Rats. Obesity, 2002, 10, 296-305.	4.0	38
111	Uncoupling proteins: gender dependence and their relation to body weight control. International Journal of Obesity, 2004, 28, 500-502.	1.6	38
112	Products of lipid peroxidation induce missorting of the principal lysosomal protease in retinal pigment epithelium. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1689, 33-41.	1.8	38
113	Identification of Mest/Peg1 gene expression as a predictive biomarker of adipose tissue expansion sensitive to dietary anti-obesity interventions. Genes and Nutrition, 2015, 10, 27.	1.2	38
114	Effect of selective Î²-adrenoceptor stimulation on UCP synthesis in primary cultures of brown adipocytes. Molecular and Cellular Endocrinology, 1996, 117, 7-16.	1.6	37
115	Moderate doses of conjugated linoleic acid isomers mix contribute to lowering body fat content maintaining insulin sensitivity and a noninflammatory pattern in adipose tissue in miceâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 107-115.	1.9	37
116	Feeding conditions control the expression of genes involved in sterol metabolism in peripheral blood mononuclear cells of normoweight and diet-induced (cafeteria) obese rats. Journal of Nutritional Biochemistry, 2010, 21, 1127-1133.	1.9	36
117	Semi-quantification of carotenoids by high-performance liquid chromatography: saponification-induced losses in fatty foods. Journal of Chromatography A, 1998, 829, 393-399.	1.8	35
118	Resistin as a putative modulator of insulin action in the daily feeding/fasting rhythm. Pflugers Archiv European Journal of Physiology, 2006, 452, 260-267.	1.3	35
119	Vitamin A supplementation in early life affects later response to an obesogenic diet in rats. International Journal of Obesity, 2013, 37, 1169-1176.	1.6	35
120	Energy restriction with high-fat diet enriched with coconut oil gives higher UCP1 and lower white fat in rats. International Journal of Obesity, 1998, 22, 974-979.	1.6	34
121	Retinol-binding Protein 4 and Nicotinamide Phosphoribosyltransferase/Visfatin in Rat Obesity Models. Hormone and Metabolic Research, 2008, 40, 467-472.	0.7	34
122	Moderate caloric restriction in lactating rats programs their offspring for a better response to HF diet feeding in a sex-dependent manner. Journal of Nutritional Biochemistry, 2011, 22, 574-584.	1.9	34
123	BIOCLAIMS standard diet (BIOsd): a reference diet for nutritional physiology. Genes and Nutrition, 2012, 7, 399-404.	1.2	34
124	Cognitive impairment in metabolically-obese, normal-weight rats: identification of early biomarkers in peripheral blood mononuclear cells. Molecular Neurodegeneration, 2018, 13, 14.	4.4	34
125	Body Weight and Tissue Composition in Rats Made Obese by a Cafeteria Diet. Effect of 24 Hours Starvation. Hormone and Metabolic Research, 1988, 20, 208-212.	0.7	33
126	Retinoic acid modulates retinoid X receptor Î± and retinoic acid receptor Î± levels of cultured brown adipocytes. FEBS Letters, 1997, 406, 196-200.	1.3	33

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127	Oral Leptin Treatment in Suckling Rats Ameliorates Detrimental Effects in Hypothalamic Structure and Function Caused by Maternal Caloric Restriction during Gestation. PLoS ONE, 2013, 8, e81906.	1.1	33
128	Decreased RB1 mRNA, Protein, and Activity Reflect Obesity-Induced Altered Adipogenic Capacity in Human Adipose Tissue. Diabetes, 2013, 62, 1923-1931.	0.3	32
129	Maternal consumption of a cafeteria diet during lactation in rats leads the offspring to a thin-outside-fat-inside phenotype. International Journal of Obesity, 2017, 41, 1279-1287.	1.6	32
130	Lactation as a programming window for metabolic syndrome. European Journal of Clinical Investigation, 2021, 51, e13482.	1.7	32
131	Effects of 24 Hour Starvation on Plasma Composition in 19 and 21 Day Pregnant Rats and Their Foetuses. Hormone and Metabolic Research, 1982, 14, 364-371.	0.7	31
132	Resistin expression in different adipose tissue depots during rat development. Molecular and Cellular Biochemistry, 2003, 252, 397-400.	1.4	31
133	Oral leptin supplementation throughout lactation in rats prevents later metabolic alterations caused by gestational calorie restriction. International Journal of Obesity, 2017, 41, 360-371.	1.6	31
134	Comparative estimation of hematocrit and trapped plasma in the packed cell volume in man, rabbit and chicken blood. Comparative Biochemistry and Physiology A, Comparative Physiology, 1981, 70, 611-613.	0.7	30
135	General aspects on the assessment of functional foods in the European Union. European Journal of Clinical Nutrition, 2003, 57, S12-S17.	1.3	30
136	Effect of high-fat diet feeding on leptin receptor expression in white adipose tissue in rats: depot- and sex-related differential response. Genes and Nutrition, 2009, 4, 151-156.	1.2	30
137	Perinatal programming of body weight control by leptin: putative roles of AMP kinase and muscle thermogenesis. American Journal of Clinical Nutrition, 2011, 94, S1830-S1837.	2.2	30
138	Adipose triglyceride lipase expression and fasting regulation are differently affected by cold exposure in adipose tissues of lean and obese Zucker rats. Journal of Nutritional Biochemistry, 2012, 23, 1041-1050.	1.9	30
139	Peripheral blood mononuclear cells as a source to detect markers of homeostatic alterations caused by the intake of diets with an unbalanced macronutrient composition. Journal of Nutritional Biochemistry, 2015, 26, 398-407.	1.9	30
140	Long-term intake of a high-protein diet increases liver triacylglycerol deposition pathways and hepatic signs of injury in rats. Journal of Nutritional Biochemistry, 2017, 46, 39-48.	1.9	30
141	Sexual Dimorphism in the Age-Induced Insulin Resistance, Liver Steatosis, and Adipose Tissue Function in Rats. Frontiers in Physiology, 2017, 8, 445.	1.3	30
142	Activities of Enzymes Involved in Amino-Acid Metabolism in Developing Rat Placenta. FEBS Journal, 1980, 110, 289-293.	0.2	29
143	Dietary intake of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) in children â€“ a workshop report. British Journal of Nutrition, 2010, 103, 923-928.	1.2	29
144	Identification of early transcriptome-based biomarkers related to lipid metabolism in peripheral blood mononuclear cells of rats nutritionally programmed for improved metabolic health. Genes and Nutrition, 2014, 9, 366.	1.2	29

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145	Pectin supplementation in rats mitigates ageâ€related impairment in insulin and leptin sensitivity independently of reducing food intake. Molecular Nutrition and Food Research, 2015, 59, 2022-2033.	1.5	29
146	Cafeteria diet overfeeding in young male rats impairs the adaptive response to fed/fasted conditions and increases adiposity independent of body weight. International Journal of Obesity, 2015, 39, 430-437.	1.6	29
147	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. Journal of Agricultural and Food Chemistry, 2018, 66, 9679-9689.	2.4	29
148	Protein and amino acid intake in cafeteria fed obese rats. Physiology and Behavior, 1995, 58, 513-519.	1.0	28
149	Effects of cafeteria diet feeding on Î²3-adrenoceptor expression and lipolytic activity in white adipose tissue of male and female rats. International Journal of Obesity, 2000, 24, 1396-1404.	1.6	27
150	Regulation of Adiponutrin Expression by Feeding Conditions in Rats Is Altered in the Obese State*. Obesity, 2007, 15, 591-599.	1.5	27
151	Moderate calorie restriction during gestation programs offspring for lower BAT thermogenic capacity driven by thyroid and sympathetic signaling. International Journal of Obesity, 2015, 39, 339-345.	1.6	27
152	Peripheral Blood Cells, a Transcriptomic Tool in Nutrigenomic and Obesity Studies: Current State of the Art. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 1006-1020.	5.9	27
153	A Genetic Score of Predisposition to Low-Grade Inflammation Associated with Obesity May Contribute to Discern Population at Risk for Metabolic Syndrome. Nutrients, 2019, 11, 298.	1.7	27
154	Nutrientâ€“gene interactions in benefitâ€“risk analysis. British Journal of Nutrition, 2006, 95, 1232-1236.	1.2	26
155	Moderate doses of conjugated linoleic acid reduce fat gain, maintain insulin sensitivity without impairing inflammatory adipose tissue status in mice fed a high-fat diet. Nutrition and Metabolism, 2010, 7, 5.	1.3	26
156	Dietary l-leucine supplementation of lactating rats results in a tendency to increase lean/fat ratio associated to lower orexigenic neuropeptide expression in hypothalamus. Peptides, 2010, 31, 1361-1367.	1.2	26
157	Milk Leptin Surge and Biological Rhythms of Leptin and Other Regulatory Proteins in Breastmilk. PLoS ONE, 2015, 10, e0145376.	1.1	26
158	Hesperidin and capsaicin, but not the combination, prevent hepatic steatosis and other metabolic syndrome-related alterations in western diet-fed rats. Scientific Reports, 2018, 8, 15100.	1.6	26
159	Effects of fasting on lipoprotein lipase activity in different depots of white and brown adipose tissues in diet-induced overweight rats. Journal of Nutritional Biochemistry, 1999, 10, 609-614.	1.9	25
160	trans-10, cis-12, but not cis-9,trans-11 CLA isomer, inhibits brown adipocyte thermogenic capacity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R1789-R1797.	0.9	25
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