Fermin I Milagro

List of Publications by Citations

242 papers	8,628 citations	51 h-index	83 g-index
256 ext. papers	10,416 ext. citations	5 avg, IF	6.39 L-index

#	Paper	IF	Citations
242	Noncoding RNAs, cytokines, and inflammation-related diseases. *FASEB Journal*, **2015**, 29, 3595-611	0.9	292
241	Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats. *Journal of Nutritional Biochemistry*, **2015**, 26, 651-60	6.3	275
240	Impact of polyphenols and polyphenol-rich dietary sources on gut microbiota composition. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 9517-33	5.7	250
239	Antidiabetic effects of natural plant extracts via inhibition of carbohydrate hydrolysis enzymes with emphasis on pancreatic alpha amylase. *Expert Opinion on Therapeutic Targets*, **2012**, 16, 269-97	6.4	222
238	Implication of Trimethylamine N-Oxide (TMAO) in Disease: Potential Biomarker or New Therapeutic Target. *Nutrients*, **2018**, 10,	6.7	222
237	Individuality and epigenetics in obesity. *Obesity Reviews*, **2009**, 10, 383-92	10.6	206
236	Dietary factors, epigenetic modifications and obesity outcomes: progresses and perspectives. *Molecular Aspects of Medicine*, **2013**, 34, 782-812	16.7	201
235	Adiposoft: automated software for the analysis of white adipose tissue cellularity in histological sections. *Journal of Lipid Research*, **2012**, 53, 2791-6	6.3	191
234	Natural inhibitors of pancreatic lipase as new players in obesity treatment. *Planta Medica*, **2011**, 77, 773-85	3.1	187
233	A dual epigenomic approach for the search of obesity biomarkers: DNA methylation in relation to diet-induced weight loss. *FASEB Journal*, **2011**, 25, 1378-89	0.9	175
232	Weight gain induced by high-fat feeding involves increased liver oxidative stress. *Obesity*, **2006**, 14, 1118-23	8	166
231	High fat diet-induced obesity modifies the methylation pattern of leptin promoter in rats. *Journal of Physiology and Biochemistry*, **2009**, 65, 1-9	5	157
230	CLOCK, PER2 and BMAL1 DNA methylation: association with obesity and metabolic syndrome characteristics and monounsaturated fat intake. *Chronobiology International*, **2012**, 29, 1180-94	3.6	140
229	Resveratrol attenuates steatosis in obese Zucker rats by decreasing fatty acid availability and reducing oxidative stress. *British Journal of Nutrition*, **2012**, 107, 202-10	3.6	124
228	DNA microarray analysis of genes differentially expressed in diet-induced (cafeteria) obese rats. *Obesity*, **2003**, 11, 188-94		124
227	Epigenetics in adipose tissue, obesity, weight loss, and diabetes. *Advances in Nutrition*, **2014**, 5, 71-81	10	123
226	Leptin and TNF-alpha promoter methylation levels measured by MSP could predict the response to a low-calorie diet. *Journal of Physiology and Biochemistry*, **2011**, 67, 463-70	5	122

225	Differential DNA methylation patterns between high and low responders to a weight loss intervention in overweight or obese adolescents: the EVASYON study. *FASEB Journal*, **2013**, 27, 2504-12	0.9	113
224	Dietary supplementation with methyl donors reduces fatty liver and modifies the fatty acid synthase DNA methylation profile in rats fed an obesogenic diet. *Genes and Nutrition*, **2013**, 8, 105-13	4.3	112
223	Diet, Gut Microbiota, and Obesity: Links with Host Genetics and Epigenetics and Potential Applications. *Advances in Nutrition*, **2019**, 10, S17-S30	10	104
222	Guide and Position of the International Society of Nutrigenetics/Nutrigenomics on Personalised Nutrition: Part 1 - Fields of Precision Nutrition. *Lifestyle Genomics*, **2016**, 9, 12-27	2	100
221	Healthy properties of proanthocyanidins. *BioFactors*, **2010**, 36, 159-68	6.1	97
220	TNF-alpha promoter methylation as a predictive biomarker for weight-loss response. *Obesity*, **2009**, 17, 1293-7	8	95
219	Differential expression of aquaporin 7 in adipose tissue of lean and obese high fat consumers. *Biochemical and Biophysical Research Communications*, **2006**, 339, 785-9	3.4	89
218	Differential expression of oxidative stress and inflammation related genes in peripheral blood mononuclear cells in response to a low-calorie diet: a nutrigenomics study. *OMICS A Journal of Integrative Biology*, **2008**, 12, 251-61	3.8	87
217	Transcriptomic and epigenetic changes in early liver steatosis associated to obesity: effect of dietary methyl donor supplementation. *Molecular Genetics and Metabolism*, **2013**, 110, 388-95	3.7	86
216	Inflammation and gut-brain axis link obesity to cognitive dysfunction: plausible pharmacological interventions. *Current Opinion in Pharmacology*, **2017**, 37, 87-92	5.1	81
215	Guide for Current Nutrigenetic, Nutrigenomic, and Nutriepigenetic Approaches for Precision Nutrition Involving the Prevention and Management of Chronic Diseases Associated with Obesity. *Journal of Nutrigenetics and Nutrigenomics*, **2017**, 10, 43-62		80
214	Interplay of early-life nutritional programming on obesity, inflammation and epigenetic outcomes. *Proceedings of the Nutrition Society*, **2012**, 71, 276-83	2.9	80
213	Therapeutic perspectives of epigenetically active nutrients. *British Journal of Pharmacology*, **2015**, 172, 2756-68	8.6	78
212	Adiposity dependent apelin gene expression: relationships with oxidative and inflammation markers. *Molecular and Cellular Biochemistry*, **2007**, 305, 87-94	4.2	78
211	Adherence to Mediterranean diet is associated with methylation changes in inflammation-related genes in peripheral blood cells. *Journal of Physiology and Biochemistry*, **2016**, 73, 445-455	5	78
210	Association of weight regain with specific methylation levels in the NPY and POMC promoters in leukocytes of obese men: a translational study. *Regulatory Peptides*, **2013**, 186, 1-6		75
209	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. *Genes and Nutrition*, **2017**, 12, 35	4.3	72
208	Expanding role for the apelin/APJ system in physiopathology. *Journal of Physiology and Biochemistry*, **2007**, 63, 358-373	5	69

207	TNF-alpha promoter methylation in peripheral white blood cells: relationship with circulating TNF truncal fat and n-6 PUFA intake in young women. *Cytokine*, **2013**, 64, 265-71	4	67
206	Epigenetics and obesity. *Progress in Molecular Biology and Translational Science*, **2010**, 94, 291-347	4	67
205	Weight gain induced by an isocaloric pair-fed high fat diet: a nutriepigenetic study on FASN and NDUFB6 gene promoters. *Molecular Genetics and Metabolism*, **2010**, 101, 273-8	3.7	67
204	Prevention of diet-induced obesity by apple polyphenols in Wistar rats through regulation of adipocyte gene expression and DNA methylation patterns. *Molecular Nutrition and Food Research*, **2013**, 57, 1473-8	5.9	66
203	Fatty acids, epigenetic mechanisms and chronic diseases: a systematic review. *Lipids in Health and Disease*, **2019**, 18, 178	4.4	64
202	Pterostilbene-induced changes in gut microbiota composition in relation to obesity. *Molecular Nutrition and Food Research*, **2017**, 61, 1500906	5.9	63
201	DNA methylation map in circulating leukocytes mirrors subcutaneous adipose tissue methylation pattern: a genome-wide analysis from non-obese and obese patients. *Scientific Reports*, **2017**, 7, 41903	4.9	59
200	High-throughput sequencing of microRNAs in peripheral blood mononuclear cells: identification of potential weight loss biomarkers. *PLoS ONE*, **2013**, 8, e54319	3.7	59
199	Impact of Consuming Extra-Virgin Olive Oil or Nuts within a Mediterranean Diet on DNA Methylation in Peripheral White Blood Cells within the PREDIMED-Navarra Randomized Controlled Trial: A Role for Dietary Lipids. *Nutrients*, **2017**, 10,	6.7	58
198	Circadian expression of adiponectin and its receptors in human adipose tissue. *Endocrinology*, **2010**, 151, 115-22	4.8	57
197	DNA Methylation and Hydroxymethylation Levels in Relation to Two Weight Loss Strategies: Energy-Restricted Diet or Bariatric Surgery. *Obesity Surgery*, **2016**, 26, 603-11	3.7	56
196	Expression of inflammation-related miRNAs in white blood cells from subjects with metabolic syndrome after 8 wk of following a Mediterranean diet-based weight loss program. *Nutrition*, **2016**, 32, 48-55	4.8	56
195	MicroRNAs and other non-coding RNAs in adipose tissue and obesity: emerging roles as biomarkers and therapeutic targets. *Clinical Science*, **2019**, 133, 23-40	6.5	56
194	DNA methylation markers in obesity, metabolic syndrome, and weight loss. *Epigenetics*, **2019**, 14, 421-444	5.7	55
193	Diferential gene expression and adiposity reduction induced by ascorbic acid supplementation in a cafeteria model of obesity. *Journal of Physiology and Biochemistry*, **2006**, 62, 71-80	5	52
192	Transcriptomic and epigenetic changes in the hypothalamus are involved in an increased susceptibility to a high-fat-sucrose diet in prenatally stressed female rats. *Neuroendocrinology*, **2012**, 96, 249-60	5.6	51
191	Obesity induced by a pair-fed high fat sucrose diet: methylation and expression pattern of genes related to energy homeostasis. *Lipids in Health and Disease*, **2010**, 9, 60	4.4	51
190	Impact of oxygen availability on body weight management. *Medical Hypotheses*, **2010**, 74, 901-7	3.8	50

189	Future Perspectives of Personalized Weight Loss Interventions Based on Nutrigenetic, Epigenetic, and Metagenomic Data. *Journal of Nutrition*, **2015**, 146, 905S-912S	4.1	45
188	Expression of cortisol metabolism-related genes shows circadian rhythmic patterns in human adipose tissue. *International Journal of Obesity*, **2009**, 33, 473-80	5.5	44
187	Helichrysum and grapefruit extracts inhibit carbohydrate digestion and absorption, improving postprandial glucose levels and hyperinsulinemia in rats. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 12012-9	5.7	41
186	Effect of DHEA-sulfate on adiponectin gene expression in adipose tissue from different fat depots in morbidly obese humans. *European Journal of Endocrinology*, **2006**, 155, 593-600	6.5	41
185	Gene expression changes in rat white adipose tissue after a high-fat diet determined by differential display. *Biochemical and Biophysical Research Communications*, **2004**, 318, 234-9	3.4	41
184	LINE-1 methylation is positively associated with healthier lifestyle but inversely related to body fat mass in healthy young individuals. *Epigenetics*, **2016**, 11, 49-60	5.7	40
183	Relationship among adiponectin, adiponectin gene expression and fatty acids composition in morbidly obese patients. *Obesity Surgery*, **2007**, 17, 516-24	3.7	40
182	Methyl donor supplementation in rats reverses the deleterious effect of maternal separation on depression-like behaviour. *Behavioural Brain Research*, **2016**, 299, 51-8	3.4	39
181	11-Beta hydroxysteroid dehydrogenase type 2 expression in white adipose tissue is strongly correlated with adiposity. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 104, 81-4	5.1	39
180	Effects of exosomes from LPS-activated macrophages on adipocyte gene expression, differentiation, and insulin-dependent glucose uptake. *Journal of Physiology and Biochemistry*, **2018**, 74, 559-568	5	38
179	A genetic risk tool for obesity predisposition assessment and personalized nutrition implementation based on macronutrient intake. *Genes and Nutrition*, **2015**, 10, 445	4.3	37
178	Prenatal stress increases the obesogenic effects of a high-fat-sucrose diet in adult rats in a sex-specific manner. *Stress*, **2013**, 16, 220-32	3	37
177	Chronic benzylamine administration in the drinking water improves glucose tolerance, reduces body weight gain and circulating cholesterol in high-fat diet-fed mice. *Pharmacological Research*, **2010**, 61, 355-63	10.2	37
176	Phenolic Compounds Inhibit 3T3-L1 Adipogenesis Depending on the Stage of Differentiation and Their Binding Affinity to PPAR *Molecules*, **2019**, 24,	4.8	35
175	Obesity and ischemic stroke modulate the methylation levels of KCNQ1 in white blood cells. *Human Molecular Genetics*, **2015**, 24, 1432-40	5.6	35
174	DNA methylation pattern in overweight women under an energy-restricted diet supplemented with fish oil. *BioMed Research International*, **2014**, 2014, 675021	3	35
173	Maternal methyl donors supplementation during lactation prevents the hyperhomocysteinemia induced by a high-fat-sucrose intake by dams. *International Journal of Molecular Sciences*, **2013**, 14, 24422-37	6.3	35
172	Differential DNA Methylation in Relation to Age and Health Risks of Obesity. *International Journal of Molecular Sciences*, **2015**, 16, 16816-32	6.3	34

171	Shifting to a control diet after a high-fat, high-sucrose diet intake induces epigenetic changes in retroperitoneal adipocytes of Wistar rats. *Journal of Physiology and Biochemistry*, **2013**, 69, 601-11	5	33
170	Influence of dietary macronutrient composition on adiposity and cellularity of different fat depots in Wistar rats. *Journal of Physiology and Biochemistry*, **2009**, 65, 387-95	5	33
169	Chronic mild stress induces variations in locomotive behavior and metabolic rates in high fat fed rats. *Journal of Physiology and Biochemistry*, **2007**, 63, 337-46	5	33
168	Screening of polyphenolic plant extracts for anti-obesity properties in Wistar rats. *Journal of the Science of Food and Agriculture*, **2013**, 93, 1226-32	4.3	32
167	Supplementation with methyl donors during lactation to high-fat-sucrose-fed dams protects offspring against liver fat accumulation when consuming an obesogenic diet. *Journal of Developmental Origins of Health and Disease*, **2014**, 5, 385-95	2.4	32
166	Freeze-dried strawberry and blueberry attenuates diet-induced obesity and insulin resistance in rats by inhibiting adipogenesis and lipogenesis. *Food and Function*, **2017**, 8, 3999-4013	6.1	31
165	DNA methylation of miRNA coding sequences putatively associated with childhood obesity. *Pediatric Obesity*, **2017**, 12, 19-27	4.6	30
164	Single-nucleotide polymorphisms and DNA methylation markers associated with central obesity and regulation of body weight. *Nutrition Reviews*, **2014**, 72, 673-90	6.4	29
163	High-fat feeding period affects gene expression in rat white adipose tissue. *Molecular and Cellular Biochemistry*, **2005**, 275, 109-15	4.2	29
162	Postnatal maternal separation modifies the response to an obesogenic diet in adulthood in rats. *DMM Disease Models and Mechanisms*, **2012**, 5, 691-7	4.1	28
161	Selenoprotein-P is down-regulated in prostate cancer, which results in lack of protection against oxidative damage. *Prostate*, **2011**, 71, 824-34	4.2	28
160	Vitamin C inhibits leptin secretion and some glucose/lipid metabolic pathways in primary rat adipocytes. *Journal of Molecular Endocrinology*, **2010**, 45, 33-43	4.5	28
159	Precision Obesity Treatments Including Pharmacogenetic and Nutrigenetic Approaches. *Trends in Pharmacological Sciences*, **2016**, 37, 575-593	13.2	28
158	Involvement of miR-539-5p in the inhibition of de novo lipogenesis induced by resveratrol in white adipose tissue. *Food and Function*, **2016**, 7, 1680-8	6.1	27
157	Effect of TNF-Alpha on Caveolin-1 Expression and Insulin Signaling During Adipocyte Differentiation and in Mature Adipocytes. *Cellular Physiology and Biochemistry*, **2015**, 36, 1499-516	3.9	27
156	Shifts in microbiota species and fermentation products in a dietary model enriched in fat and sucrose. *Beneficial Microbes*, **2015**, 6, 97-111	4.9	27
155	Vitamin C supplementation influences body fat mass and steroidogenesis-related genes when fed a high-fat diet. *International Journal for Vitamin and Nutrition Research*, **2008**, 78, 87-95	1.7	27
154	Future challenges and present ethical considerations in the use of personalized nutrition based on genetic advice. *Journal of the Academy of Nutrition and Dietetics*, **2013**, 113, 1447-1454	3.9	26

153	The rs9939609 polymorphism in the FTO gene is associated with fat and fiber intakes in patients with type 2 diabetes. *Journal of Nutrigenetics and Nutrigenomics*, **2013**, 6, 97-106		26
152	Regulatory roles of miR-155 and let-7b on the expression of inflammation-related genes in THP-1 cells: effects of fatty acids. *Journal of Physiology and Biochemistry*, **2018**, 74, 579-589	5	26
151	Epigenetic signatures underlying inflammation: an interplay of nutrition, physical activity, metabolic diseases, and environmental factors for personalized nutrition. *Inflammation Research*, **2021**, 70, 29-49	7.2	25
150	LINE-1 methylation levels, a biomarker of weight loss in obese subjects, are influenced by dietary antioxidant capacity. *Redox Report*, **2016**, 21, 67-74	5.9	24
149	Circadian gene methylation profiles are associated with obesity, metabolic disturbances and carbohydrate intake. *Chronobiology International*, **2018**, 35, 969-981	3.6	23
148	PTPRS and PER3 methylation levels are associated with childhood obesity: results from a genome-wide methylation analysis. *Pediatric Obesity*, **2018**, 13, 149-158	4.6	23
147	FTO Obesity Variant and Adipocyte Browning in Humans. *New England Journal of Medicine*, **2016**, 374, 192-3	59.2	23
146	Folic Acid Improves the Inflammatory Response in LPS-Activated THP-1 Macrophages. *Mediators of Inflammation*, **2018**, 2018, 1312626	4.3	23
145	Epigenetic patterns of two gene promoters (TNF- and PON) in stroke considering obesity condition and dietary intake. *Journal of Physiology and Biochemistry*, **2014**, 70, 603-14	5	23
144	Interaction Among Sex, Aging, and Epigenetic Processes Concerning Visceral Fat, Insulin Resistance, and Dyslipidaemia. *Frontiers in Endocrinology*, **2019**, 10, 496	5.7	22
143	Regulation by chronic-mild stress of glucocorticoids, monocyte chemoattractant protein-1 and adiposity in rats fed on a high-fat diet. *Physiology and Behavior*, **2011**, 103, 173-80	3.5	22
142	Epigenetic Changes in the Methylation Patterns of KCNQ1 and WT1 after a Weight Loss Intervention Program in Obese Stroke Patients. *Current Neurovascular Research*, **2015**, 12, 321-33	1.8	22
141	Epigenome-wide association study in peripheral white blood cells involving insulin resistance. *Scientific Reports*, **2019**, 9, 2445	4.9	22
140	SH2B1 CpG-SNP is associated with body weight reduction in obese subjects following a dietary restriction program. *Annals of Nutrition and Metabolism*, **2015**, 66, 1-9	4.5	21
139	Metabolic faecal fingerprinting of trans-resveratrol and quercetin following a high-fat sucrose dietary model using liquid chromatography coupled to high-resolution mass spectrometry. *Food and Function*, **2015**, 6, 2758-67	6.1	20
138	Gene-Gene Interplay and Gene-Diet Interactions Involving the MTNR1B rs10830963 Variant with Body Weight Loss. *Journal of Nutrigenetics and Nutrigenomics*, **2014**, 7, 232-42		20
137	Modulation of hyperglycemia and TNF-mediated inflammation by helichrysum and grapefruit extracts in diabetic db/db mice. *Food and Function*, **2014**, 5, 2120-8	6.1	20
136	Epigenetic Modifications as Outcomes of Exercise Interventions Related to Specific Metabolic Alterations: A Systematic Review. *Lifestyle Genomics*, **2019**, 12, 25-44	2	19

135	Differential lipid metabolism outcomes associated with ADRB2 gene polymorphisms in response to two dietary interventions in overweight/obese subjects. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 165-172	4.5	19
134	Effect of the interaction between diet composition and the genetic variant on insulin resistance and β-cell function markers during weight loss: results from the Nutrient Gene Interactions in Human Obesity: implications for dietary guidelines (NUGENOB) randomized trial. *American Journal of Clinical Nutrition*, **2017**, 106, 902-908	7	19
133	Ascorbic acid oral treatment modifies lipolytic response and behavioural activity but not glucocorticoid metabolism in cafeteria diet-fed rats. *Acta Physiologica*, **2009**, 195, 449-57	5.6	19
132	Expression of Caveolin 1 is enhanced by DNA demethylation during adipocyte differentiation. status of insulin signaling. *PLoS ONE*, **2014**, 9, e95100	3.7	19
131	Association between Sleep Disturbances and Liver Status in Obese Subjects with Nonalcoholic Fatty Liver Disease: A Comparison with Healthy Controls. *Nutrients*, **2019**, 11,	6.7	18
130	Effect of hypoxia on caveolae-related protein expression and insulin signaling in adipocytes. *Molecular and Cellular Endocrinology*, **2018**, 473, 257-267	4.4	18
129	Vitamin C modulates the interaction between adipocytes and macrophages. *Molecular Nutrition and Food Research*, **2011**, 55 Suppl 2, S257-63	5.9	18
128	Dietary supplementation with methyl donor groups could prevent nonalcoholic fatty liver. *Hepatology*, **2011**, 53, 2151-2	11.2	18
127	DNA methylation in genes of longevity-regulating pathways: association with obesity and metabolic complications. *Aging*, **2019**, 11, 1874-1899	5.6	18
126	Postbiotics: Metabolites and mechanisms involved in microbiota-host interactions. *Trends in Food Science and Technology*, **2021**, 108, 11-26	15.3	18
125	Peripheral blood mononuclear cell gene expression profile in obese boys who followed a moderate energy-restricted diet: differences between high and low responders at baseline and after the intervention. *British Journal of Nutrition*, **2015**, 113, 331-42	3.6	17
124	Dopamine gene methylation patterns are associated with obesity markers and carbohydrate intake. *Brain and Behavior*, **2018**, 8, e01017	3.4	17
123	Interaction between an Genetic Variant and Two Weight-Lowering Diets Affecting Body Fatness and Body Composition Outcomes Depending on Macronutrient Distribution: A Randomized Trial. *Nutrients*, **2018**, 10,	6.7	17
122	A high-sucrose isocaloric pair-fed model induces obesity and impairs NDUFB6 gene function in rat adipose tissue. *Journal of Nutrigenetics and Nutrigenomics*, **2009**, 2, 267-72		17
121	Insulin effect on adipose tissue (AT) adiponectin expression is regulated by the insulin resistance status of the patients. *Clinical Endocrinology*, **2008**, 69, 412-7	3.4	17
120	Reduction in energy efficiency induced by expression of the uncoupling protein, UCP1, in mouse liver mitochondria. *International Journal of Molecular Medicine*, **2006**, 17, 591-7	4.4	17
119	Techniques of DNA methylation analysis with nutritional applications. *Journal of Nutrigenetics and Nutrigenomics*, **2013**, 6, 83-96		16
118	Some cyclin-dependent kinase inhibitors-related genes are regulated by vitamin C in a model of diet-induced obesity. *Biological and Pharmaceutical Bulletin*, **2009**, 32, 1462-8	2.3	16

117	Site-specific circadian expression of leptin and its receptor in human adipose tissue. *Nutricion Hospitalaria*, **2011**, 26, 1394-401	1	16
116	Methylation on the Circadian Gene BMAL1 Is Associated with the Effects of a Weight Loss Intervention on Serum Lipid Levels. *Journal of Biological Rhythms*, **2016**, 31, 308-17	3.2	15
115	Effects of the oral administration of a beta3-adrenergic agonist on lipid metabolism in alloxan-diabetic rats. *Journal of Pharmacy and Pharmacology*, **2000**, 52, 851-6	4.8	15
114	Caveolin expression and activation in retroperitoneal and subcutaneous adipocytes: influence of a high-fat diet. *Journal of Cellular Physiology*, **2010**, 225, 206-13	7	15
113	LINE-1 and inflammatory gene methylation levels are early biomarkers of metabolic changes: association with adiposity. *Biomarkers*, **2016**, 21, 625-32	2.6	15
112	DNA methylation signatures at endoplasmic reticulum stress genes are associated with adiposity and insulin resistance. *Molecular Genetics and Metabolism*, **2018**, 123, 50-58	3.7	15
111	DNA methylation patterns at sweet taste transducing genes are associated with BMI and carbohydrate intake in an adult population. *Appetite*, **2018**, 120, 230-239	4.5	14
110	Helichrysum and Grapefruit Extracts Boost Weight Loss in Overweight Rats Reducing Inflammation. *Journal of Medicinal Food*, **2015**, 18, 890-8	2.8	14
109	Effects of trecadrine, a beta 3-adrenergic agonist, on intestinal absorption of D-galactose and disaccharidase activities in three physiopathological models. *Journal of Pharmacy and Pharmacology* , **1997**, 49, 873-7	4.8	14
108	Genetic manipulation in nutrition, metabolism, and obesity research. *Nutrition Reviews*, **2004**, 62, 321-30	6.4	14
107	Potential anti-diabetic applications of a new molecule with affinity for beta 3-adrenoceptors. *Life Sciences*, **1996**, 59, PL141-6	6.8	14
106	Genetics of weight loss: A basis for personalized obesity management. *Trends in Food Science and Technology*, **2015**, 42, 97-115	15.3	13
105	Association of the Gly482Ser PPARGC1A gene variant with different cholesterol outcomes in response to two energy-restricted diets in subjects with excessive weight. *Nutrition*, **2018**, 47, 83-89	4.8	13
104	Implication of miR-612 and miR-1976 in the regulation of TP53 and CD40 and their relationship in the response to specific weight-loss diets. *PLoS ONE*, **2018**, 13, e0201217	3.7	13
103	Inhibition of serum cholesterol oxidation by dietary vitamin C and selenium intake in high fat fed rats. *Lipids*, **2008**, 43, 383-90	1.6	13
102	Studies on Mechanistic Role of Natural Bioactive Compounds in the Management of Obesity An Overview. *The Open Nutraceuticals Journal*, **2012**, 5, 193-206		13
101	Potential Mechanisms Linking Food-Derived MicroRNAs, Gut Microbiota and Intestinal Barrier Functions in the Context of Nutrition and Human Health. *Frontiers in Nutrition*, **2021**, 8, 586564	6.2	13
100	Diet-induced obesity in animal models: points to consider and influence on metabolic markers. *Diabetology and Metabolic Syndrome*, **2021**, 13, 32	5.6	13

99	Association of low dietary folate intake with lower CAMKK2 gene methylation, adiposity, and insulin resistance in obese subjects. *Nutrition Research*, **2018**, 50, 53-62	4	12
98	Broccoli extract improves high fat diet-induced obesity, hepatic steatosis and glucose intolerance in Wistar rats. *Journal of Functional Foods*, **2019**, 59, 319-328	5.1	12
97	Perinatal maternal feeding with an energy dense diet and/or micronutrient mixture drives offspring fat distribution depending on the sex and growth stage. *Journal of Animal Physiology and Animal Nutrition*, **2015**, 99, 834-40	2.6	12
96	Glucose and insulin modify thrombospondin 1 expression and secretion in primary adipocytes from diet-induced obese rats. *Journal of Physiology and Biochemistry*, **2011**, 67, 453-61	5	12
95	Gene methylation parallelisms between peripheral blood cells and oral mucosa samples in relation to overweight. *Journal of Physiology and Biochemistry*, **2016**, 73, 465-474	5	12
94	DNA methylation in promoter regions of genes involved in the reproductive and metabolic function of children born to women with PCOS. *Epigenetics*, **2020**, 15, 1178-1194	5.7	12
93	Prediction of Blood Lipid Phenotypes Using Obesity-Related Genetic Polymorphisms and Lifestyle Data in Subjects with Excessive Body Weight. *International Journal of Genomics*, **2018**, 2018, 4283078	2.5	12
92	Do the Effects of Resveratrol on Thermogenic and Oxidative Capacities in IBAT and Skeletal Muscle Depend on Feeding Conditions?. *Nutrients*, **2018**, 10,	6.7	12
91	Circulating adiposity-related microRNAs as predictors of the response to a low-fat diet in subjects with obesity. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 2956-2967	5.6	11
90	Endoplasmic reticulum stress epigenetics is related to adiposity, dyslipidemia, and insulin resistance. *Adipocyte*, **2018**, 7, 137-142	3.2	11
89	Effects of high glucose on caveolin-1 and insulin signaling in 3T3-L1 adipocytes. *Adipocyte*, **2016**, 5, 65-80	3.2	11
88	The rs7204609 polymorphism in the fat mass and obesity-associated gene is positively associated with central obesity and microalbuminuria in patients with type 2 diabetes from Southern Brazil. *Journal of Renal Nutrition*, **2012**, 22, 228-236	3	11
87	Time-dependent regulation of muscle caveolin activation and insulin signalling in response to high-fat diet. *FEBS Letters*, **2009**, 583, 3259-64	3.8	11
86	Liver proteome changes induced by a short-term high-fat sucrose diet in wistar rats. *Journal of Nutrigenetics and Nutrigenomics*, **2011**, 4, 344-53		11
85	Fat intake leads to differential response of rat adipocytes to glucose, insulin and ascorbic acid. *Experimental Biology and Medicine*, **2012**, 237, 407-16	3.7	11
84	Immunomanipulation of appetite and body temperature through the functional mimicry of leptin. *Obesity*, **2002**, 10, 833-7		11
83	One-Carbon Metabolism and Nonalcoholic Fatty Liver Disease: The Crosstalk between Nutrients, Microbiota, and Genetics. *Lifestyle Genomics*, **2020**, 13, 53-63	2	11
82	Higher Fruit Intake Is Related to TNF- Hypomethylation and Better Glucose Tolerance in Healthy Subjects. *Journal of Nutrigenetics and Nutrigenomics*, **2016**, 9, 95-105		11

81	Kefir and Intestinal Microbiota Modulation: Implications in Human Health. *Frontiers in Nutrition*, **2021**, 8, 638740	6.2	11
80	Comparative effects of energy restriction and resveratrol intake on glycemic control improvement. *BioFactors*, **2017**, 43, 371-378	6.1	10
79	Associations between olfactory pathway gene methylation marks, obesity features and dietary intakes. *Genes and Nutrition*, **2019**, 14, 11	4.3	10
78	An integrated transcriptomic and epigenomic analysis identifies CD44 gene as a potential biomarker for weight loss within an energy-restricted program. *European Journal of Nutrition*, **2019**, 58, 1971-1980	5.2	10
77	Low doses of cocoa extract supplementation ameliorate diet-induced obesity and insulin resistance in rats. *Food and Function*, **2019**, 10, 4811-4822	6.1	10
76	Mechanisms involved in BACE upregulation associated to stress. *Current Alzheimer Research*, **2012**, 9, 822-9	3	10
75	Ectopic UCP1 gene expression in HepG2 cells affects ATP production. *Journal of Physiology and Biochemistry*, **2005**, 61, 389-93	5	10
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