

Fermin I Milagro

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.

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	Effect of a Diet Supplemented with Sphingomyelin and Probiotics on Colon Cancer Development in Mice.. <i>Probiotics and Antimicrobial Proteins</i> , 2022 , 1	5.5	1
241	Circulating miRNAs in girls with abdominal obesity: miR-221-3p as a biomarker of response to weight loss interventions.. <i>Pediatric Obesity</i> , 2022 , e12910	4.6	1
240	Trimethylamine N-oxide (TMAO) drives insulin resistance and cognitive deficiencies in a senescence accelerated mouse model.. <i>Mechanisms of Ageing and Development</i> , 2022 , 204, 111668	5.6	1
239	(Maitake) Extract Reduces Fat Accumulation and Improves Health Span in through the and Signalling Pathways. <i>Nutrients</i> , 2021 , 13,	6.7	3
238	Changes in miRNA expression with two weight-loss dietary strategies in a population with metabolic syndrome. <i>Nutrition</i> , 2021 , 83, 111085	4.8	3
237	Endothelial Nox5 Expression Modulates Glucose Uptake and Lipid Accumulation in Mice Fed a High-Fat Diet and 3T3-L1 Adipocytes Treated with Glucose and Palmitic Acid. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
236	Potential Mechanisms Linking Food-Derived MicroRNAs, Gut Microbiota and Intestinal Barrier Functions in the Context of Nutrition and Human Health. <i>Frontiers in Nutrition</i> , 2021 , 8, 586564	6.2	13
235	The Influence of Red Cabbage Extract Nanoencapsulated with Brassica Plasma Membrane Vesicles on the Gut Microbiome of Obese Volunteers. <i>Foods</i> , 2021 , 10,	4.9	3
234	Microencapsulated and in Combination with Quercetin Inhibit Colorectal Cancer Development in Apc Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
233	Epigenetic landscape in blood leukocytes following ketosis and weight loss induced by a very low calorie ketogenic diet (VLCKD) in patients with obesity. <i>Clinical Nutrition</i> , 2021 , 40, 3959-3972	5.9	3
232	A predictive regression model of the obesity-related inflammatory status based on gut microbiota composition. <i>International Journal of Obesity</i> , 2021 , 45, 2261-2268	5.5	5
231	Epigenetic signatures underlying inflammation: an interplay of nutrition, physical activity, metabolic diseases, and environmental factors for personalized nutrition. <i>Inflammation Research</i> , 2021 , 70, 29-49	7.2	25
230	Postbiotics: Metabolites and mechanisms involved in microbiota-host interactions. <i>Trends in Food Science and Technology</i> , 2021 , 108, 11-26	15.3	18
229	Linking dietary methyl donors, maternal separation, and depression 2021 , 473-483		
228	Differential response to a 6-month energy-restricted treatment depending on SH2B1 rs7359397 variant in NAFLD subjects: Fatty Liver in Obesity (FLiO) Study. <i>European Journal of Nutrition</i> , 2021 , 60, 3043-3057	5.2	0
227	Diet- and sex-related changes of gut microbiota composition and functional profiles after 4 months of weight loss intervention. <i>European Journal of Nutrition</i> , 2021 , 60, 3279-3301	5.2	1
226	Kefir and Intestinal Microbiota Modulation: Implications in Human Health. <i>Frontiers in Nutrition</i> , 2021 , 8, 638740	6.2	11

225	Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population. <i>Nutrients</i> , 2021 , 13,	6.7	8
224	Diet-induced obesity in animal models: points to consider and influence on metabolic markers. <i>Diabetology and Metabolic Syndrome</i> , 2021 , 13, 32	5.6	13
223	Gut Microbiota Differences According to Ultra-Processed Food Consumption in a Spanish Population. <i>Nutrients</i> , 2021 , 13,	6.7	9
222	Effects of gut microbiota-derived extracellular vesicles on obesity and diabetes and their potential modulation through diet. <i>Journal of Physiology and Biochemistry</i> , 2021 , 1	5	6
221	Differentially methylated regions (DMRs) in PON3 gene between responders and non-responders to a weight loss dietary intervention: a new tool for precision management of obesity. <i>Epigenetics</i> , 2021 , 1-12	5.7	3
220	Fecal microbiota relationships with childhood obesity: A scoping comprehensive review.. <i>Obesity Reviews</i> , 2021 , e13394	10.6	1
219	Phenolic Compounds Reduce the Fat Content in by Affecting Lipogenesis, Lipolysis, and Different Stress Responses. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	8
218	Sex-Specific Associations between Gut Prevotellaceae and Host Genetics on Adiposity. <i>Microorganisms</i> , 2020 , 8,	4.9	7
217	Crosstalk between circulating microRNAs and chronotypical features in subjects with metabolic syndrome. <i>Chronobiology International</i> , 2020 , 37, 1048-1058	3.6	5
216	Circulating adiposity-related microRNAs as predictors of the response to a low-fat diet in subjects with obesity. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 2956-2967	5.6	11
215	Association of the rs7359397 Gene Polymorphism with Steatosis Severity in Subjects with Obesity and Non-Alcoholic Fatty Liver Disease. <i>Nutrients</i> , 2020 , 12,	6.7	4
214	Biochemical profile, eating habits, and telomere length among Brazilian children and adolescents. <i>Nutrition</i> , 2020 , 71, 110645	4.8	4
213	Modeling of an integrative prototype based on genetic, phenotypic, and environmental information for personalized prescription of energy-restricted diets in overweight/obese subjects. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 459-470	7	10
212	One-Carbon Metabolism and Nonalcoholic Fatty Liver Disease: The Crosstalk between Nutrients, Microbiota, and Genetics. <i>Lifestyle Genomics</i> , 2020 , 13, 53-63	2	11
211	PPARGC1A Gene Promoter Methylation as a Biomarker of Insulin Secretion and Sensitivity in Response to Glucose Challenges. <i>Nutrients</i> , 2020 , 12,	6.7	2
210	Comprehensive Analysis Reveals Novel Interactions between Circulating MicroRNAs and Gut Microbiota Composition in Human Obesity. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
209	Nutrients, Obesity and Gene Expression 2020 , 431-440		3
208	Epigenetic Analyses Tools for Nutrition Research 2020 , 59-67		

207	A combination of borage seed oil and quercetin reduces fat accumulation and improves insulin sensitivity in obese rats. <i>Food and Function</i> , 2020 , 11, 4512-4524	6.1	6
206	DNA methylation in promoter regions of genes involved in the reproductive and metabolic function of children born to women with PCOS. <i>Epigenetics</i> , 2020 , 15, 1178-1194	5.7	12
205	Crosstalk between microRNAs, the putative target genes and the lncRNA network in metabolic diseases. <i>Molecular Medicine Reports</i> , 2019 , 20, 3543-3554	2.9	7
204	Models Integrating Genetic and Lifestyle Interactions on Two Adiposity Phenotypes for Personalized Prescription of Energy-Restricted Diets With Different Macronutrient Distribution. <i>Frontiers in Genetics</i> , 2019 , 10, 686	4.5	8
203	Genetic and nongenetic factors explaining metabolically healthy and unhealthy phenotypes in participants with excessive adiposity: relevance for personalized nutrition. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019 , 10, 2042018819877303	4.5	8
202	Epigenetic Modifications as Outcomes of Exercise Interventions Related to Specific Metabolic Alterations: A Systematic Review. <i>Lifestyle Genomics</i> , 2019 , 12, 25-44	2	19
201	Methylome-Wide Association Study in Peripheral White Blood Cells Focusing on Central Obesity and Inflammation. <i>Genes</i> , 2019 , 10,	4.2	9
200	Changes in Anxiety and Depression Traits Induced by Energy Restriction: Predictive Value of the Baseline Status. <i>Nutrients</i> , 2019 , 11,	6.7	6
199	Associations between olfactory pathway gene methylation marks, obesity features and dietary intakes. <i>Genes and Nutrition</i> , 2019 , 14, 11	4.3	10
198	Phenolic Compounds Inhibit 3T3-L1 Adipogenesis Depending on the Stage of Differentiation and Their Binding Affinity to PPAR α . <i>Molecules</i> , 2019 , 24,	4.8	35
197	DNA methylation markers in obesity, metabolic syndrome, and weight loss. <i>Epigenetics</i> , 2019 , 14, 421-444	4.7	55
196	Plasma lactate and leukocyte mitochondrial DNA copy number as biomarkers of insulin sensitivity in non-diabetic women. <i>Journal of Physiology and Biochemistry</i> , 2019 , 75, 285-297	5	5
195	Association between Sleep Disturbances and Liver Status in Obese Subjects with Nonalcoholic Fatty Liver Disease: A Comparison with Healthy Controls. <i>Nutrients</i> , 2019 , 11,	6.7	18
194	An integrated transcriptomic and epigenomic analysis identifies CD44 gene as a potential biomarker for weight loss within an energy-restricted program. <i>European Journal of Nutrition</i> , 2019 , 58, 1971-1980	5.2	10
193	The regulation of inflammation-related genes after palmitic acid and DHA treatments is not mediated by DNA methylation. <i>Journal of Physiology and Biochemistry</i> , 2019 , 75, 341-349	5	9
192	Interaction Among Sex, Aging, and Epigenetic Processes Concerning Visceral Fat, Insulin Resistance, and Dyslipidaemia. <i>Frontiers in Endocrinology</i> , 2019 , 10, 496	5.7	22
191	Diet, Gut Microbiota, and Obesity: Links with Host Genetics and Epigenetics and Potential Applications. <i>Advances in Nutrition</i> , 2019 , 10, S17-S30	10	104
190	Low doses of cocoa extract supplementation ameliorate diet-induced obesity and insulin resistance in rats. <i>Food and Function</i> , 2019 , 10, 4811-4822	6.1	10

189	Broccoli extract improves high fat diet-induced obesity, hepatic steatosis and glucose intolerance in Wistar rats. <i>Journal of Functional Foods</i> , 2019 , 59, 319-328	5.1	12
188	Insulin Sensitivity Is Associated with Lipoprotein Lipase () and Catenin Delta 2 () DNA Methylation in Peripheral White Blood Cells in Non-Diabetic Young Women. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
187	Oral Phenzelzine Treatment Mitigates Metabolic Disturbances in Mice Fed a High-Fat Diet. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 371, 555-566	4.7	7
186	Fatty acids, epigenetic mechanisms and chronic diseases: a systematic review. <i>Lipids in Health and Disease</i> , 2019 , 18, 178	4.4	64
185	DNA methylation in genes of longevity-regulating pathways: association with obesity and metabolic complications. <i>Aging</i> , 2019 , 11, 1874-1899	5.6	18
184	Interplay of an Obesity-Based Genetic Risk Score with Dietary and Endocrine Factors on Insulin Resistance. <i>Nutrients</i> , 2019 , 12,	6.7	6
183	Epigenome-wide association study in peripheral white blood cells involving insulin resistance. <i>Scientific Reports</i> , 2019 , 9, 2445	4.9	22
182	miR-1185-1 and miR-548q Are Biomarkers of Response to Weight Loss and Regulate the Expression of. <i>Cells</i> , 2019 , 8,	7.9	8
181	miRNAs and Novel Food Compounds Related to the Browning Process. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
180	Association of Methylation Signatures at Hepatocellular Carcinoma Pathway Genes with Adiposity and Insulin Resistance Phenotypes. <i>Nutrition and Cancer</i> , 2019 , 71, 840-851	2.8	7
179	MicroRNAs and other non-coding RNAs in adipose tissue and obesity: emerging roles as biomarkers and therapeutic targets. <i>Clinical Science</i> , 2019 , 133, 23-40	6.5	56
178	Epigenetics of Undernutrition 2019 , 457-481		1
177	Endoplasmic reticulum stress epigenetics is related to adiposity, dyslipidemia, and insulin resistance. <i>Adipocyte</i> , 2018 , 7, 137-142	3.2	11
176	Effect of hypoxia on caveolae-related protein expression and insulin signaling in adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2018 , 473, 257-267	4.4	18
175	Association of the Gly482Ser PPARGC1A gene variant with different cholesterol outcomes in response to two energy-restricted diets in subjects with excessive weight. <i>Nutrition</i> , 2018 , 47, 83-89	4.8	13
174	Differential lipid metabolism outcomes associated with ADRB2 gene polymorphisms in response to two dietary interventions in overweight/obese subjects. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 165-172	4.5	19
173	Association of low dietary folate intake with lower CAMKK2 gene methylation, adiposity, and insulin resistance in obese subjects. <i>Nutrition Research</i> , 2018 , 50, 53-62	4	12
172	Circadian gene methylation profiles are associated with obesity, metabolic disturbances and carbohydrate intake. <i>Chronobiology International</i> , 2018 , 35, 969-981	3.6	23

171	Effects of exosomes from LPS-activated macrophages on adipocyte gene expression, differentiation, and insulin-dependent glucose uptake. <i>Journal of Physiology and Biochemistry</i> , 2018 , 74, 559-568	5	38
170	PTPRS and PER3 methylation levels are associated with childhood obesity: results from a genome-wide methylation analysis. <i>Pediatric Obesity</i> , 2018 , 13, 149-158	4.6	23
169	DNA methylation patterns at sweet taste transducing genes are associated with BMI and carbohydrate intake in an adult population. <i>Appetite</i> , 2018 , 120, 230-239	4.5	14
168	Involvement of autophagy in the beneficial effects of resveratrol in hepatic steatosis treatment. A comparison with energy restriction. <i>Food and Function</i> , 2018 , 9, 4207-4215	6.1	6
167	Dopamine gene methylation patterns are associated with obesity markers and carbohydrate intake. <i>Brain and Behavior</i> , 2018 , 8, e01017	3.4	17
166	Interaction between an Genetic Variant and Two Weight-Lowering Diets Affecting Body Fatness and Body Composition Outcomes Depending on Macronutrient Distribution: A Randomized Trial. <i>Nutrients</i> , 2018 , 10,	6.7	17
165	Folic Acid Improves the Inflammatory Response in LPS-Activated THP-1 Macrophages. <i>Mediators of Inflammation</i> , 2018 , 2018, 1312626	4.3	23
164	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. <i>PLoS ONE</i> , 2018 , 13, e0201217	3.7	13
163	DNA methylation signatures at endoplasmic reticulum stress genes are associated with adiposity and insulin resistance. <i>Molecular Genetics and Metabolism</i> , 2018 , 123, 50-58	3.7	15
162	Methylation changes and pathways affected in preterm birth: a role for SLC6A3 in neurodevelopment. <i>Epigenomics</i> , 2018 , 10, 91-103	4.4	10
161	Prediction of Blood Lipid Phenotypes Using Obesity-Related Genetic Polymorphisms and Lifestyle Data in Subjects with Excessive Body Weight. <i>International Journal of Genomics</i> , 2018 , 2018, 4283078	2.5	12
160	Implication of Trimethylamine N-Oxide (TMAO) in Disease: Potential Biomarker or New Therapeutic Target. <i>Nutrients</i> , 2018 , 10,	6.7	222
159	Do the Effects of Resveratrol on Thermogenic and Oxidative Capacities in IBAT and Skeletal Muscle Depend on Feeding Conditions?. <i>Nutrients</i> , 2018 , 10,	6.7	12
158	Regulatory roles of miR-155 and let-7b on the expression of inflammation-related genes in THP-1 cells: effects of fatty acids. <i>Journal of Physiology and Biochemistry</i> , 2018 , 74, 579-589	5	26
157	Phenotype and genotype predictors of BMI variability among European adults. <i>Nutrition and Diabetes</i> , 2018 , 8, 27	4.7	8
156	Influence of fat intake and BMI on the association of rs1799983 NOS3 polymorphism with blood pressure levels in an Iberian population. <i>European Journal of Nutrition</i> , 2017 , 56, 1589-1596	5.2	5
155	DNA methylation of miRNA coding sequences putatively associated with childhood obesity. <i>Pediatric Obesity</i> , 2017 , 12, 19-27	4.6	30
154	Effects of perinatal diet and prenatal stress on the behavioural profile of aged male and female rats. <i>Journal of Psychopharmacology</i> , 2017 , 31, 356-364	4.6	9

153	Comparative effects of energy restriction and resveratrol intake on glycemic control improvement. <i>BioFactors</i> , 2017 , 43, 371-378	6.1	10
152	DNA methylation map in circulating leukocytes mirrors subcutaneous adipose tissue methylation pattern: a genome-wide analysis from non-obese and obese patients. <i>Scientific Reports</i> , 2017 , 7, 41903	4.9	59
151	Dietary and Metabolic Compounds Affecting Covalent Histone Modifications 2017 , 307-322		
150	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. <i>Genes and Nutrition</i> , 2017 , 12, 35	4.3	72
149	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. <i>Nutrients</i> , 2017 , 10,	6.7	58
148	Freeze-dried strawberry and blueberry attenuates diet-induced obesity and insulin resistance in rats by inhibiting adipogenesis and lipogenesis. <i>Food and Function</i> , 2017 , 8, 3999-4013	6.1	31
147	Guide for Current Nutrigenetic, Nutrigenomic, and Nutriepigenetic Approaches for Precision Nutrition Involving the Prevention and Management of Chronic Diseases Associated with Obesity. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2017 , 10, 43-62		80
146	Differential peripheral blood methylation by lipoic acid and EPA supplementation in overweight or obese women during a weight loss program. <i>Journal of Functional Foods</i> , 2017 , 36, 178-185	5.1	1
145	Effect of the interaction between diet composition and the genetic variant on insulin resistance and cell function markers during weight loss: results from the Nutrient Gene Interactions in Human Obesity: implications for dietary guidelines (NUGENOB) randomized trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 902-908	7	19
144	Inflammation and gut-brain axis link obesity to cognitive dysfunction: plausible pharmacological interventions. <i>Current Opinion in Pharmacology</i> , 2017 , 37, 87-92	5.1	81
143	Pterostilbene-induced changes in gut microbiota composition in relation to obesity. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1500906	5.9	63
142	Quercetin-3-O-glucoside Improves Glucose Tolerance in Rats and Decreases Intestinal Sugar Uptake in Caco-2 Cells. <i>Natural Product Communications</i> , 2017 , 12, 1934578X1701201	0.9	3
141	Epigenetics of Undernutrition 2017 , 1-25		
140	DNA Methylation and Hydroxymethylation Levels in Relation to Two Weight Loss Strategies: Energy-Restricted Diet or Bariatric Surgery. <i>Obesity Surgery</i> , 2016 , 26, 603-11	3.7	56
139	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. <i>Nutrition</i> , 2016 , 32, 48-55	4.8	56
138	Guide and Position of the International Society of Nutrigenetics/Nutrigenomics on Personalised Nutrition: Part 1 - Fields of Precision Nutrition. <i>Lifestyle Genomics</i> , 2016 , 9, 12-27	2	100
137	FTO Obesity Variant and Adipocyte Browning in Humans. <i>New England Journal of Medicine</i> , 2016 , 374, 192-3	59.2	23
136	LINE-1 methylation is positively associated with healthier lifestyle but inversely related to body fat mass in healthy young individuals. <i>Epigenetics</i> , 2016 , 11, 49-60	5.7	40

135	Methylation on the Circadian Gene BMAL1 Is Associated with the Effects of a Weight Loss Intervention on Serum Lipid Levels. <i>Journal of Biological Rhythms</i> , 2016 , 31, 308-17	3.2	15
134	LINE-1 methylation levels, a biomarker of weight loss in obese subjects, are influenced by dietary antioxidant capacity. <i>Redox Report</i> , 2016 , 21, 67-74	5.9	24
133	Involvement of miR-539-5p in the inhibition of de novo lipogenesis induced by resveratrol in white adipose tissue. <i>Food and Function</i> , 2016 , 7, 1680-8	6.1	27
132	Effects of high glucose on caveolin-1 and insulin signaling in 3T3-L1 adipocytes. <i>Adipocyte</i> , 2016 , 5, 65-80	3.2	11
131	Methyl donor supplementation in rats reverses the deleterious effect of maternal separation on depression-like behaviour. <i>Behavioural Brain Research</i> , 2016 , 299, 51-8	3.4	39
130	Adherence to Mediterranean diet is associated with methylation changes in inflammation-related genes in peripheral blood cells. <i>Journal of Physiology and Biochemistry</i> , 2016 , 73, 445-455	5	78
129	Gene methylation parallelisms between peripheral blood cells and oral mucosa samples in relation to overweight. <i>Journal of Physiology and Biochemistry</i> , 2016 , 73, 465-474	5	12
128	Precision Obesity Treatments Including Pharmacogenetic and Nutrigenetic Approaches. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 575-593	13.2	28
127	LINE-1 and inflammatory gene methylation levels are early biomarkers of metabolic changes: association with adiposity. <i>Biomarkers</i> , 2016 , 21, 625-32	2.6	15
126	Higher Fruit Intake Is Related to TNF- α Hypomethylation and Better Glucose Tolerance in Healthy Subjects. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2016 , 9, 95-105		11
125	Genetics of weight loss: A basis for personalized obesity management. <i>Trends in Food Science and Technology</i> , 2015 , 42, 97-115	15.3	13
124	Interleukin-6 is a better metabolic biomarker than interleukin-18 in young healthy adults. <i>Journal of Physiology and Biochemistry</i> , 2015 , 71, 527-35	5	3
123	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. <i>British Journal of Nutrition</i> , 2015 , 113, 331-42	3.6	17
122	Metabolic faecal fingerprinting of trans-resveratrol and quercetin following a high-fat sucrose dietary model using liquid chromatography coupled to high-resolution mass spectrometry. <i>Food and Function</i> , 2015 , 6, 2758-67	6.1	20
121	Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 651-60	6.3	275
120	Epigenetic Determinants of Weight Management: Methylation Signatures. <i>Current Nutrition Reports</i> , 2015 , 4, 330-339	6	
119	A genetic risk tool for obesity predisposition assessment and personalized nutrition implementation based on macronutrient intake. <i>Genes and Nutrition</i> , 2015 , 10, 445	4.3	37
118	SH2B1 CpG-SNP is associated with body weight reduction in obese subjects following a dietary restriction program. <i>Annals of Nutrition and Metabolism</i> , 2015 , 66, 1-9	4.5	21

117	Obesity and ischemic stroke modulate the methylation levels of KCNQ1 in white blood cells. <i>Human Molecular Genetics</i> , 2015 , 24, 1432-40	5.6	35
116	Perinatal maternal feeding with an energy dense diet and/or micronutrient mixture drives offspring fat distribution depending on the sex and growth stage. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015 , 99, 834-40	2.6	12
115	Differential DNA Methylation in Relation to Age and Health Risks of Obesity. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 16816-32	6.3	34
114	Biocompounds Attenuating the Development of Obesity and Insulin Resistance Produced by a High-fat Sucrose Diet. <i>Natural Product Communications</i> , 2015 , 10, 1934578X1501000	0.9	
113	Noncoding RNAs, cytokines, and inflammation-related diseases. <i>FASEB Journal</i> , 2015 , 29, 3595-611	0.9	292
112	Future Perspectives of Personalized Weight Loss Interventions Based on Nutrigenetic, Epigenetic, and Metagenomic Data. <i>Journal of Nutrition</i> , 2015 , 146, 905S-912S	4.1	45
111	Effect of TNF-Alpha on Caveolin-1 Expression and Insulin Signaling During Adipocyte Differentiation and in Mature Adipocytes. <i>Cellular Physiology and Biochemistry</i> , 2015 , 36, 1499-516	3.9	27
110	Shifts in microbiota species and fermentation products in a dietary model enriched in fat and sucrose. <i>Beneficial Microbes</i> , 2015 , 6, 97-111	4.9	27
109	Helichrysum and Grapefruit Extracts Boost Weight Loss in Overweight Rats Reducing Inflammation. <i>Journal of Medicinal Food</i> , 2015 , 18, 890-8	2.8	14
108	Therapeutic perspectives of epigenetically active nutrients. <i>British Journal of Pharmacology</i> , 2015 , 172, 2756-68	8.6	78
107	Epigenetic Changes in the Methylation Patterns of KCNQ1 and WT1 after a Weight Loss Intervention Program in Obese Stroke Patients. <i>Current Neurovascular Research</i> , 2015 , 12, 321-33	1.8	22
106	Gene-Gene Interplay and Gene-Diet Interactions Involving the MTNR1B rs10830963 Variant with Body Weight Loss. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2014 , 7, 232-42		20
105	Epigenetic patterns of two gene promoters (TNF- α and PON) in stroke considering obesity condition and dietary intake. <i>Journal of Physiology and Biochemistry</i> , 2014 , 70, 603-14	5	23
104	Modulation of hyperglycemia and TNF-mediated inflammation by helichrysum and grapefruit extracts in diabetic db/db mice. <i>Food and Function</i> , 2014 , 5, 2120-8	6.1	20
103	Epigenetics in adipose tissue, obesity, weight loss, and diabetes. <i>Advances in Nutrition</i> , 2014 , 5, 71-81	10	123
102	Supplementation with methyl donors during lactation to high-fat-sucrose-fed dams protects offspring against liver fat accumulation when consuming an obesogenic diet. <i>Journal of Developmental Origins of Health and Disease</i> , 2014 , 5, 385-95	2.4	32
101	DNA methylation pattern in overweight women under an energy-restricted diet supplemented with fish oil. <i>BioMed Research International</i> , 2014 , 2014, 675021	3	35
100	Single-nucleotide polymorphisms and DNA methylation markers associated with central obesity and regulation of body weight. <i>Nutrition Reviews</i> , 2014 , 72, 673-90	6.4	29

99	Expression of Caveolin 1 is enhanced by DNA demethylation during adipocyte differentiation. status of insulin signaling. <i>PLoS ONE</i> , 2014 , 9, e95100	3.7	19
98	Common variants in genes related to lipid and energy metabolism are associated with weight loss after an intervention in overweight/obese adolescents. <i>Nutricion Hospitalaria</i> , 2014 , 30, 75-83	1	10
97	Diet-induced hyperinsulinemia differentially affects glucose and protein metabolism: a high-throughput metabolomic approach in rats. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 613-23 ⁵		8
96	Screening of polyphenolic plant extracts for anti-obesity properties in Wistar rats. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 1226-32	4.3	32
95	Association of weight regain with specific methylation levels in the NPY and POMC promoters in leukocytes of obese men: a translational study. <i>Regulatory Peptides</i> , 2013 , 186, 1-6		75
94	Future challenges and present ethical considerations in the use of personalized nutrition based on genetic advice. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2013 , 113, 1447-1454	3.9	26
93	Transcriptomic and epigenetic changes in early liver steatosis associated to obesity: effect of dietary methyl donor supplementation. <i>Molecular Genetics and Metabolism</i> , 2013 , 110, 388-95	3.7	86
92	Helichrysum and grapefruit extracts inhibit carbohydrate digestion and absorption, improving postprandial glucose levels and hyperinsulinemia in rats. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 12012-9	5.7	41
91	Role of dietary polyphenols and inflammatory processes on disease progression mediated by the gut microbiota. <i>Rejuvenation Research</i> , 2013 , 16, 435-7	2.6	8
90	Impact of polyphenols and polyphenol-rich dietary sources on gut microbiota composition. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 9517-33	5.7	250
89	Prenatal stress increases the obesogenic effects of a high-fat-sucrose diet in adult rats in a sex-specific manner. <i>Stress</i> , 2013 , 16, 220-32	3	37
88	Dietary supplementation with methyl donors reduces fatty liver and modifies the fatty acid synthase DNA methylation profile in rats fed an obesogenic diet. <i>Genes and Nutrition</i> , 2013 , 8, 105-13	4.3	112
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