Amelia Marti

List of Publications by Citations

190 papers	10,860 citations	51 h-index	99 g-index
209 ext. papers	12,330 ext. citations	4.3 avg, IF	5.86 L-index

#	Paper	IF	Citations
190	Primary prevention of cardiovascular disease with a Mediterranean diet. *New England Journal of Medicine*, **2013**, 368, 1279-90	59.2	3041
189	Interplay between weight loss and gut microbiota composition in overweight adolescents. *Obesity*, **2009**, 17, 1906-15	8	321
188	Noncoding RNAs, cytokines, and inflammation-related diseases. *FASEB Journal*, **2015**, 29, 3595-611	0.9	292
187	Obesity and immune function relationships. *Obesity Reviews*, **2001**, 2, 131-40	10.6	268
186	Shifts in clostridia, bacteroides and immunoglobulin-coating fecal bacteria associated with weight loss in obese adolescents. *International Journal of Obesity*, **2009**, 33, 758-67	5.5	244
185	In vivo nutrigenomic effects of virgin olive oil polyphenols within the frame of the Mediterranean diet: a randomized controlled trial. *FASEB Journal*, **2010**, 24, 2546-57	0.9	215
184	Mediterranean diet and reduction in the risk of a first acute myocardial infarction: an operational healthy dietary score. *European Journal of Nutrition*, **2002**, 41, 153-60	5.2	183
183	Obesity and immunocompetence. *European Journal of Clinical Nutrition*, **2002**, 56 Suppl 3, S42-5	5.2	176
182	Eicosapentaenoic acid actions on adiposity and insulin resistance in control and high-fat-fed rats: role of apoptosis, adiponectin and tumour necrosis factor-alpha. *British Journal of Nutrition*, **2007**, 97, 389-98	3.6	168
181	Dietary Inflammatory Index and Incidence of Cardiovascular Disease in the PREDIMED Study. *Nutrients*, **2015**, 7, 4124-38	6.7	142
180	Interaction between genes and lifestyle factors on obesity. *Proceedings of the Nutrition Society*, **2008**, 67, 1-8	2.9	135
179	Actin-binding protein-280 binds the stress-activated protein kinase (SAPK) activator SEK-1 and is required for tumor necrosis factor-alpha activation of SAPK in melanoma cells. *Journal of Biological Chemistry*, **1997**, 272, 2620-8	5.4	133
178	A 3 years follow-up of a Mediterranean diet rich in virgin olive oil is associated with high plasma antioxidant capacity and reduced body weight gain. *European Journal of Clinical Nutrition*, **2009**, 63, 1387-93	5.2	132
177	DNA microarray analysis of genes differentially expressed in diet-induced (cafeteria) obese rats. *Obesity*, **2003**, 11, 188-94		124
176	Mediterranean diet and stroke: objectives and design of the SUN project. Seguimiento Universidad de Navarra. *Nutritional Neuroscience*, **2002**, 5, 65-73	3.6	116
175	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
174	Comorbidity associated with obesity in a large population: The APNA study. *Obesity Research and Clinical Practice*, **2015**, 9, 435-47	5.4	104

173	Genes, lifestyles and obesity. *International Journal of Obesity*, **2004**, 28 Suppl 3, S29-36	5.5	97
172	Dietary inflammatory index and telomere length in subjects with a high cardiovascular disease risk from the PREDIMED-NAVARRA study: cross-sectional and longitudinal analyses over 5 y. *American Journal of Clinical Nutrition*, **2015**, 102, 897-904	7	82
171	Evidences on three relevant obesogenes: MC4R, FTO and PPAR□Approaches for personalized nutrition. *Molecular Nutrition and Food Research*, **2011**, 55, 136-49	5.9	82
170	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
169	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
168	A 3-year intervention with a Mediterranean diet modified the association between the rs9939609 gene variant in FTO and body weight changes. *International Journal of Obesity*, **2010**, 34, 266-72	5.5	76
167	Longitudinal association of telomere length and obesity indices in an intervention study with a Mediterranean diet: the PREDIMED-NAVARRA trial. *International Journal of Obesity*, **2014**, 38, 177-82	5.5	74
166	The effect of the Mediterranean diet on plasma brain-derived neurotrophic factor (BDNF) levels: the PREDIMED-NAVARRA randomized trial. *Nutritional Neuroscience*, **2011**, 14, 195-201	3.6	74
165	Legume consumption is inversely associated with type 2 diabetes incidence in adults: A prospective assessment from the PREDIMED study. *Clinical Nutrition*, **2018**, 37, 906-913	5.9	71
164	A prospective study of eating away-from-home meals and weight gain in a Mediterranean population: the SUN (Seguimiento Universidad de Navarra) cohort. *Public Health Nutrition*, **2010**, 13, 1356-63	3.3	71
163	FTO genotype and weight loss: systematic review and meta-analysis of 9563 individual participant data from eight randomised controlled trials. *BMJ, The*, **2016**, 354, i4707	5.9	70
162	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. *American Journal of Clinical Nutrition*, **2018**, 108, 453-475	7	69
161	Obesity risk is associated with carbohydrate intake in women carrying the Gln27Glu beta2-adrenoceptor polymorphism. *Journal of Nutrition*, **2003**, 133, 2549-54	4.1	68
160	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
159	Eicosapentaenoic fatty acid increases leptin secretion from primary cultured rat adipocytes: role of glucose metabolism. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R1682-8	3.2	64
158	Dietary total antioxidant capacity is associated with leukocyte telomere length in a children and adolescent population. *Clinical Nutrition*, **2015**, 34, 694-9	5.9	62
157	Eicosapentaenoic acid stimulates AMP-activated protein kinase and increases visfatin secretion in cultured murine adipocytes. *Clinical Science*, **2009**, 117, 243-9	6.5	61
156	Fiber intake and all-cause mortality in the Prevenci□ con Dieta Mediterr□ea (PREDIMED) study. *American Journal of Clinical Nutrition*, **2014**, 100, 1498-507	7	59

155	Dietary fatty acid distribution modifies obesity risk linked to the rs9939609 polymorphism of the fat mass and obesity-associated gene in a Spanish case-control study of children. *British Journal of Nutrition*, **2012**, 107, 533-8	3.6	59
154	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
153	Predictor factors for childhood obesity in a Spanish case-control study. *Nutrition*, **2007**, 23, 379-84	4.8	58
152	Does weight loss prognosis depend on genetic make-up?. *Obesity Reviews*, **2005**, 6, 155-68	10.6	58
151	Association between dietary fibre intake and fruit, vegetable or whole-grain consumption and the risk of CVD: results from the PREvenci□ con DIeta MEDiterr□ea (PREDIMED) trial. *British Journal of Nutrition*, **2016**, 116, 534-46	3.6	57
150	Energy restriction restores the impaired immune response in overweight (cafeteria) rats. *Journal of Nutritional Biochemistry*, **2004**, 15, 418-25	6.3	56
149	Mediterranean diet and cognitive function: the SUN project. *Journal of Nutrition, Health and Aging*, **2015**, 19, 305-12	5.2	55
148	Dietary inflammatory index and all-cause mortality in large cohorts: The SUN and PREDIMED studies. *Clinical Nutrition*, **2019**, 38, 1221-1231	5.9	55
147	Mediterranean diet and telomere length in high cardiovascular risk subjects from the PREDIMED-NAVARRA study. *Clinical Nutrition*, **2016**, 35, 1399-1405	5.9	55
146	Gene-gene interaction between PPAR gamma 2 and ADR beta 3 increases obesity risk in children and adolescents. *International Journal of Obesity*, **2004**, 28 Suppl 3, S37-41	5.5	54
145	Up-regulation of muscle UCP2 gene expression by a new beta3-adrenoceptor agonist, trecadrine, in obese (cafeteria) rodents, but down-regulation in lean animals. *International Journal of Obesity*, **2000**, 24, 156-63	5.5	53
144	Statistical and biological gene-lifestyle interactions of MC4R and FTO with diet and physical activity on obesity: new effects on alcohol consumption. *PLoS ONE*, **2012**, 7, e52344	3.7	53
143	Telomere length as a biomarker for adiposity changes after a multidisciplinary intervention in overweight/obese adolescents: the EVASYON study. *PLoS ONE*, **2014**, 9, e89828	3.7	53
142	Leptin: physiological actions. *Journal of Physiology and Biochemistry*, **1999**, 55, 43-9	5	53
141	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
140	Association between obesity and insulin resistance with UCP2-UCP3 gene variants in Spanish children and adolescents. *Molecular Genetics and Metabolism*, **2007**, 92, 351-8	3.7	51
139	Pro12Ala variant of the PPARG2 gene increases body mass index: An updated meta-analysis encompassing 49,092 subjects. *Obesity*, **2013**, 21, 1486-95	8	49
138	Dietary □-Linolenic Acid, Marine □-3 Fatty Acids, and Mortality in a Population With High Fish Consumption: Findings From the PREvenci□ con DIeta MEDiterr□ea (PREDIMED) Study. *Journal of the American Heart Association*, **2016**, 5,	6	48

137	Inflammation and conjugated linoleic acid: mechanisms of action and implications for human health. *Journal of Physiology and Biochemistry*, **2005**, 61, 483-94	5	48
136	TRP64ARG polymorphism of the beta 3-adrenergic receptor gene and obesity risk: effect modification by a sedentary lifestyle. *Diabetes, Obesity and Metabolism*, **2002**, 4, 428-30	6.7	46
135	Differential inflammatory status in rats susceptible or resistant to diet-induced obesity: effects of EPA ethyl ester treatment. *European Journal of Nutrition*, **2008**, 47, 380-6	5.2	45
134	The 27Glu polymorphism of the beta2-adrenergic receptor gene interacts with physical activity influencing obesity risk among female subjects. *Clinical Genetics*, **2002**, 61, 305-7	4	45
133	A novel nonsense mutation in the melanocortin-4 receptor associated with obesity in a Spanish population. *International Journal of Obesity*, **2003**, 27, 385-8	5.5	45
132	Effects of eicosapentaenoic acid (EPA) on adiponectin gene expression and secretion in primary cultured rat adipocytes. *Journal of Physiology and Biochemistry*, **2006**, 62, 61-9	5	43
131	Conjugated linoleic acid inhibits glucose metabolism, leptin and adiponectin secretion in primary cultured rat adipocytes. *Molecular and Cellular Endocrinology*, **2007**, 268, 50-8	4.4	43
130	Association between yogurt consumption and the risk of metabolic syndrome over 6 years in the SUN study. *BMC Public Health*, **2015**, 15, 170	4.1	42
129	A Mediterranean diet rich in virgin olive oil may reverse the effects of the -174G/C IL6 gene variant on 3-year body weight change. *Molecular Nutrition and Food Research*, **2010**, 54 Suppl 1, S75-82	5.9	42
128	Gln27Glu polymorphism in the beta2 adrenergic receptor gene and lipid metabolism during exercise in obese women. *International Journal of Obesity*, **2002**, 26, 1434-41	5.5	42
127	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
126	Prevention, diagnosis, and treatment of obesity. 2016 position statement of the Spanish Society for the Study of Obesity. *Endocrinologia, Diabetes Y Nutrici*, **2017**, 64 Suppl 1, 15-22	1.3	40
125	Eicosapentaenoic acid up-regulates apelin secretion and gene expression in 3T3-L1 adipocytes. *Molecular Nutrition and Food Research*, **2010**, 54 Suppl 1, S104-11	5.9	39
124	Up-regulation of a thermogenesis-related gene (UCP1) and down-regulation of PPARgamma and aP2 genes in adipose tissue: possible features of the antiobesity effects of a beta3-adrenergic agonist. *Biochemical Pharmacology*, **2001**, 61, 1471-8	6	39
123	Dietary total antioxidant capacity and obesity in children and adolescents. *International Journal of Food Sciences and Nutrition*, **2010**, 61, 713-21	3.7	38
122	Genetics of obesity. *Public Health Nutrition*, **2007**, 10, 1138-44	3.3	38
121	Mediterranean diets supplemented with virgin olive oil and nuts enhance plasmatic antioxidant capabilities and decrease xanthine oxidase activity in people with metabolic syndrome: The PREDIMED study. *Molecular Nutrition and Food Research*, **2016**, 60, 2654-2664	5.9	36
120	Improved Diet Quality and Nutrient Adequacy in Children and Adolescents with Abdominal Obesity after a Lifestyle Intervention. *Nutrients*, **2018**, 10,	6.7	36

119	A Mediterranean Diet Rich in Extra-Virgin Olive Oil Is Associated with a Reduced Prevalence of Nonalcoholic Fatty Liver Disease in Older Individuals at High Cardiovascular Risk. *Journal of Nutrition*, **2019**, 149, 1920-1929	4.1	35
118	Meta-analysis on the effect of the N363S polymorphism of the glucocorticoid receptor gene (GRL) on human obesity. *BMC Medical Genetics*, **2006**, 7, 50	2.1	35
117	Egg consumption and cardiovascular disease according to diabetic status: The PREDIMED study. *Clinical Nutrition*, **2017**, 36, 1015-1021	5.9	33
116	Down-regulation in muscle and liver lipogenic genes: EPA ethyl ester treatment in lean and overweight (high-fat-fed) rats. *Journal of Nutritional Biochemistry*, **2009**, 20, 705-14	6.3	33
115	The Mediterranean diet protects against waist circumference enlargement in 12Ala carriers for the PPARgamma gene: 2 yearsSfollow-up of 774 subjects at high cardiovascular risk. *British Journal of Nutrition*, **2009**, 102, 672-9	3.6	33
114	Pro12Ala polymorphism of the PPAR gene interacts with a mediterranean diet to prevent telomere shortening in the PREDIMED-NAVARRA randomized trial. *Circulation: Cardiovascular Genetics*, **2015**, 8, 91-9		32
113	Obesity susceptibility loci on body mass index and weight loss in Spanish adolescents after a lifestyle intervention. *Journal of Pediatrics*, **2012**, 161, 466-470.e2	3.6	31
112	DNA methylation of miRNA coding sequences putatively associated with childhood obesity. *Pediatric Obesity*, **2017**, 12, 19-27	4.6	30
111	Serum and gene expression levels of leptin and adiponectin in rats susceptible or resistant to diet-induced obesity. *Journal of Physiology and Biochemistry*, **2005**, 61, 333-42	5	30
110	High-fat feeding period affects gene expression in rat white adipose tissue. *Molecular and Cellular Biochemistry*, **2005**, 275, 109-15	4.2	29
109	Relationship between body mass index and depression in women: A 7-year prospective cohort study. The APNA study. *European Psychiatry*, **2016**, 32, 55-60	6	28
108	Linoleic acid decreases leptin and adiponectin secretion from primary rat adipocytes in the presence of insulin. *Lipids*, **2007**, 42, 913-20	1.6	28
107	Higher obesity risk associated with the exon-8 insertion of the UCP2 gene in a Spanish case-control study. *Nutrition*, **2004**, 20, 498-501	4.8	28
106	CHO intake alters obesity risk associated with Pro12Ala polymorphism of PPARgamma gene. *Journal of Physiology and Biochemistry*, **2002**, 58, 219-20	5	28
105	Association of UCP3 gene -55C>T polymorphism and obesity in a Spanish population. *Annals of Nutrition and Metabolism*, **2005**, 49, 183-8	4.5	28
104	The risk of obesity and the Trp64Arg polymorphism of the beta(3)-adrenergic receptor: effect modification by age. *Annals of Nutrition and Metabolism*, **2002**, 46, 152-8	4.5	28
103	Beta(2)-adrenergic receptor mutation and abdominal obesity risk: effect modification by gender and HDL-cholesterol. *European Journal of Nutrition*, **2002**, 41, 114-8	5.2	27
102	Leptin gene transfer into muscle increases lipolysis and oxygen consumption in white fat tissue in ob/ob mice. *Biochemical and Biophysical Research Communications*, **1998**, 246, 859-62	3.4	27

101	Mediterranean Diet and Telomere Length: A Systematic Review and Meta-Analysis. *Advances in Nutrition*, **2020**, 11, 1544-1554	10	27
100	Changes in UCP mRNA expression levels in brown adipose tissue and skeletal muscle after feeding a high-energy diet and relationships with leptin, glucose and PPARgamma. *Journal of Nutritional Biochemistry*, **2001**, 12, 130-137	6.3	26
99	UCP2 muscle gene transfer modifies mitochondrial membrane potential. *International Journal of Obesity*, **2001**, 25, 68-74	5.5	26
98	Yogurt consumption and abdominal obesity reversion in the PREDIMED study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2016**, 26, 468-75	4.5	25
97	Effects of antidepressant and antipsychotic use on weight gain: A systematic review. *Obesity Reviews*, **2019**, 20, 1680-1690	10.6	25
96	Eicosapentaenoic acid inhibits tumour necrosis factor-□nduced lipolysis in murine cultured adipocytes. *Journal of Nutritional Biochemistry*, **2012**, 23, 218-27	6.3	25
95	Sugar-sweetened carbonated beverage consumption and childhood/adolescent obesity: a case-control study. *Public Health Nutrition*, **2014**, 17, 2185-93	3.3	25
94	Physical activity and sex modulate obesity risk linked to 3111T/C gene variant of the CLOCK gene in an elderly population: the SUN Project. *Chronobiology International*, **2012**, 29, 1397-404	3.6	25
93	A new NPY-antagonist strongly stimulates apoptosis and lipolysis on white adipocytes in an obesity model. *Life Sciences*, **2000**, 68, 99-107	6.8	25
92	Time-dependent effects of a high-energy-yielding diet on the regulation of specific white adipose tissue genes. *Biochemical and Biophysical Research Communications*, **2001**, 283, 6-11	3.4	25
91	DNA hybridization arrays: a powerful technology for nutritional and obesity research. *British Journal of Nutrition*, **2001**, 86, 119-22	3.6	25
90	Effects of the FTO gene on lifestyle intervention studies in children. *Obesity Facts*, **2009**, 2, 393-9	5.1	24
89	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
88	Decreased cardiotrophin-1 levels are associated with a lower risk of developing the metabolic syndrome in overweight/obese children after a weight loss program. *Metabolism: Clinical and Experimental*, **2013**, 62, 1429-36	12.7	22
87	Il6 gene promoter polymorphism (-174G/C) influences the association between fat mass and cardiovascular risk factors. *Journal of Physiology and Biochemistry*, **2009**, 65, 405-13	5	22
86	A 3-year Mediterranean-style dietary intervention may modulate the association between adiponectin gene variants and body weight change. *European Journal of Nutrition*, **2010**, 49, 311-9	5.2	22
85	Lifestyle factors modify obesity risk linked to PPARG2 and FTO variants in an elderly population: a cross-sectional analysis in the SUN Project. *Genes and Nutrition*, **2013**, 8, 61-7	4.3	21
84	Treatment of obesity in children and adolescents. How nutrition can work?. *Pediatric Obesity*, **2008**, 3 Suppl 1, 72-7		21

83	Birth weight and blood lipid levels in Spanish adolescents: influence of selected APOE, APOC3 and PPARgamma2 gene polymorphisms. The AVENA Study. *BMC Medical Genetics*, **2008**, 9, 98	2.1	21
82	Nutrigenetics and nutrigenomics of caloric restriction. *Progress in Molecular Biology and Translational Science*, **2012**, 108, 323-46	4	20
81	TV watching modifies obesity risk linked to the 27Glu polymorphism of the ADRB2 gene in girls. *Pediatric Obesity*, **2006**, 1, 83-8		20
80	Decreased splenic mRNA expression levels of TNF-alpha and IL-6 in diet-induced obese animals. *Journal of Physiology and Biochemistry*, **2004**, 60, 279-83	5	19
79	Serum and gene expression levels of CT-1, IL-6, and TNF- after a lifestyle intervention in obese children. *Pediatric Diabetes*, **2018**, 19, 217-222	3.6	19
78	High-fat feeding reduced muscle uncoupling protein 3 expression in rats. *Journal of Physiology and Biochemistry*, **1999**, 55, 67-72	5	19
77	Design and evaluation of a treatment programme for Spanish adolescents with overweight and obesity. The EVASYON Study. *BMC Public Health*, **2009**, 9, 414	4.1	18
76	T-helper lymphopenia and decreased mitogenic response in cafeteria diet-induced obese rats. *Nutrition Research*, **2002**, 22, 497-506	4	18
75	Genotype-dependent response to energy-restricted diets in obese subjects: towards personalized nutrition. *Asia Pacific Journal of Clinical Nutrition*, **2008**, 17 Suppl 1, 119-22	1	18
74	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
73	Dopamine gene methylation patterns are associated with obesity markers and carbohydrate intake. *Brain and Behavior*, **2018**, 8, e01017	3.4	17
72	A maximal effort trial in obese women carrying the beta2-adrenoceptor Gln27Glu polymorphism. *Journal of Physiology and Biochemistry*, **2002**, 58, 103-8	5	17
71	Effects of arachidonic acid on leptin secretion and expression in primary cultured rat adipocytes. *Journal of Physiology and Biochemistry*, **2003**, 59, 201-8	5	16
70	Basal fat oxidation and after a peak oxygen consumption test in obese women with a beta2 adrenoceptor gene polymorphism. *Journal of Nutritional Biochemistry*, **2003**, 14, 275-9	6.3	16
69	Ultra-processed food consumption and the risk of short telomeres in an elderly population of the Seguimiento Universidad de Navarra (SUN) Project. *American Journal of Clinical Nutrition*, **2020**, 111, 1259-1266	7	15
68	Nutrigenetics: a tool to provide personalized nutritional therapy to the obese. *World Review of Nutrition and Dietetics*, **2010**, 101, 21-33	0.2	15
67	Gut microbes and obesity in adolescents. *Proceedings of the Nutrition Society*, **2008**, 67,	2.9	15
66	A novel mutation Thr162Arg of the melanocortin 4 receptor gene in a Spanish children and adolescent population. *Clinical Endocrinology*, **2007**, 66, 652-8	3.4	15

65	NF-kappa B-binding activity in an animal diet-induced overweightness model and the impact of subsequent energy restriction. *Biochemical and Biophysical Research Communications*, **2003**, 311, 533-9	3.4	15
64	Design of the nutritional therapy for overweight and obese Spanish adolescents conducted by registered dieticians: the EVASYON study. *Nutricion Hospitalaria*, **2012**, 27, 165-76	1	15
63	Relation between plasma antioxidant vitamin levels, adiposity and cardio-metabolic profile in adolescents: Effects of a multidisciplinary obesity programme. *Clinical Nutrition*, **2017**, 36, 209-217	5.9	14
62	Changes in plasma fatty acid composition are associated with improvements in obesity and related metabolic disorders: A therapeutic approach to overweight adolescents. *Clinical Nutrition*, **2018**, 37, 149-156	5.9	14
61	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
60	Anthropometric indices to assess body-fat changes during a multidisciplinary obesity treatment in adolescents: EVASYON Study. *Clinical Nutrition*, **2015**, 34, 523-8	5.9	14
59	Optimisation of the formation and distribution of protoporphyrin IX in the urothelium: an in vitro approach. *Journal of Urology*, **1999**, 162, 546-52	2.5	14
58	Gender differences in lifestyle determinants of overweight prevalence in a sample of Southern European children. *Obesity Research and Clinical Practice*, **2013**, 7, e391-400	5.4	13
57	Effect of the Ala12 allele in the PPARgamma-2 gene on the relationship between birth weight and body composition in adolescents: the AVENA study. *Pediatric Research*, **2007**, 62, 615-9	3.2	13
56	Aspectos genEticos da obesidade. *Revista De Nutricao*, **2004**, 17, 327-338	1.8	13
55	Effects of a beta3-adrenergic agonist on the immune response in diet-induced (cafeteria) obese animals. *Journal of Physiology and Biochemistry*, **2003**, 59, 183-91	5	13
54	Association between diet quality indexes and the risk of short telomeres in an elderly population of the SUN project. *Clinical Nutrition*, **2020**, 39, 2487-2494	5.9	13
53	Behavioral predictors of attrition in adolescents participating in a multidisciplinary obesity treatment program: EVASYON study. *International Journal of Obesity*, **2016**, 40, 84-7	5.5	12
52	Total antioxidant capacity and oxidative stress after a 10-week dietary intervention program in obese children. *European Journal of Pediatrics*, **2014**, 173, 609-16	4.1	12
51	Association between leptin receptor (LEPR) and brain-derived neurotrophic factor (BDNF) gene variants and obesity: a case-control study. *Nutritional Neuroscience*, **2009**, 12, 183-8	3.6	12
50	Genetics of obesity: gene x nutrient interactions. *International Journal for Vitamin and Nutrition Research*, **2006**, 76, 184-93	1.7	12
49	Effects of a beta3-adrenergic agonist on glucose uptake and leptin expression and secretion in cultured adipocytes from lean and overweight (cafeteria) rats. *Biochemical and Biophysical Research Communications*, **2002**, 291, 1201-7	3.4	12
48	Prediction of Cardiovascular Disease by the Framingham-REGICOR Equation in the High-Risk PREDIMED Cohort: Impact of the Mediterranean Diet Across Different Risk Strata. *Journal of the American Heart Association*, **2017**, 6,	6	11

47	Pistachio consumption modulates DNA oxidation and genes related to telomere maintenance: a crossover randomized clinical trial. *American Journal of Clinical Nutrition*, **2019**, 109, 1738-1745	7	11
46	Omega-3 fatty acids and cognitive decline: a systematic review. *Nutricion Hospitalaria*, **2019**, 36, 939-949	1	11
45	Influence of two polymorphisms of the tumoral necrosis factor-alpha gene on the obesity phenotype. *Diabetes, Nutrition & Metabolism*, **2004**, 17, 17-22		11
44	Associations between olfactory pathway gene methylation marks, obesity features and dietary intakes. *Genes and Nutrition*, **2019**, 14, 11	4.3	10
43	Serum oxidized low-density lipoprotein levels are related to cardiometabolic risk and decreased after a weight loss treatment in obese children and adolescents. *Pediatric Diabetes*, **2017**, 18, 392-398	3.6	10
42	Nutrigenetics: a tool to provide personalized nutritional therapy to the obese. *Journal of Nutrigenetics and Nutrigenomics*, **2010**, 3, 157-69		10
41	Obesity and eating behaviour in a three-generation Chilean family with carriers of the Thrl50Ile mutation in the melanocortin-4 receptor gene. *Journal of Physiology and Biochemistry*, **2008**, 64, 205-10	5	10
40	Down-regulation of heart HFABP and UCP2 gene expression in diet-induced (cafeteria) obese rats. *Journal of Physiology and Biochemistry*, **2002**, 58, 69-74	5	10
39	Controlled-Release Matrix of Acetaminophen-Ethylcellulose Solid Dispersion. *Drug Development and Industrial Pharmacy*, **1994**, 20, 1253-1265	3.6	10
38	Common variants in genes related to lipid and energy metabolism are associated with weight loss after an intervention in overweight/obese adolescents. *Nutricion Hospitalaria*, **2014**, 30, 75-83	1	10
37	Changes in cardiometabolic risk factors, appetite-controlling hormones and cytokines after a treatment program in overweight adolescents: preliminary findings from the EVASYON study. *Pediatric Diabetes*, **2011**, 12, 372-80	3.6	9
36	Resistin overexpression is induced by a beta3 adrenergic agonist in diet-related overweightness. *Journal of Physiology and Biochemistry*, **2001**, 57, 287-8	5	9
35	UCP1 muscle gene transfer and mitochondrial proton leak mediated thermogenesis. *Archives of Biochemistry and Biophysics*, **2002**, 404, 166-71	4.1	9
34	Methodological approaches to assess body-weight regulation and aetiology of obesity. *Proceedings of the Nutrition Society*, **2000**, 59, 405-11	2.9	9
33	Associations of telomere length with anthropometric and glucose changes after a lifestyle intervention in abdominal obese children. *Nutrition, Metabolism and Cardiovascular Diseases*, **2020**, 30, 694-700	4.5	8
32	Diet quality index as a predictor of treatment efficacy in overweight and obese adolescents: The EVASYON study. *Clinical Nutrition*, **2019**, 38, 782-790	5.9	8
31	NADPH Oxidase Overactivity Underlies Telomere Shortening in Human Atherosclerosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
30	Novel association of the obesity risk-allele near Fas Apoptotic Inhibitory Molecule 2 (FAIM2) gene with heart rate and study of its effects on myocardial infarction in diabetic participants of the PREDIMED trial. *Cardiovascular Diabetology*, **2014**, 13, 5	8.7	7

29	G allele of the -930A>G polymorphism of the CYBA gene is associated with insulin resistance in obese subjects. *Journal of Physiology and Biochemistry*, **2008**, 64, 127-33	5	7
28	No evidence of association between the serotonin 2A receptor--1438G/A promoter polymorphism and childhood obesity in a Spanish population: A case-parent study and a matched case-control study. *Nutritional Neuroscience*, **2005**, 8, 207-11	3.6	7
27	Prostaglandin E2 accelerates enzymatic and morphological maturation of the small intestine in suckling rats. *Neonatology*, **1994**, 65, 119-25	4	7
26	Association of telomere length with IL-6 levels during an obesity treatment in adolescents: interaction with the-174G/C polymorphism in the IL-6gene. *Pediatric Obesity*, **2017**, 12, 257-263	4.6	6
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