Ana B Crujeiras

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9284449/publications.pdf

Version: 2024-02-01

128 papers	21,202 citations	61984 43 h-index	18130 120 g-index
128 all docs	128 docs citations	128 times ranked	33827 citing authors

#	Article	IF	Citations
1	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128Â·9 million children, adolescents, and adults. Lancet, The, 2017, 390, 2627-2642.	13.7	5,010
2	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19Â·2 million participants. Lancet, The, 2016, 387, 1377-1396.	13.7	3,941
3	Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4Â·4 million participants. Lancet, The, 2016, 387, 1513-1530.	13.7	2,842
4	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19Â·1 million participants. Lancet, The, 2017, 389, 37-55.	13.7	1,667
5	Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. Lancet, The, 2021, 398, 957-980.	13.7	1,289
6	FNDC5/Irisin Is Not Only a Myokine but Also an Adipokine. PLoS ONE, 2013, 8, e60563.	2.5	478
7	Rising rural body-mass index is the main driver of the global obesity epidemic in adults. Nature, 2019, 569, 260-264.	27.8	469
8	Leptin, Obesity, and Leptin Resistance: Where Are We 25 Years Later?. Nutrients, 2019, 11, 2704.	4.1	296
9	Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. Lancet, The, 2020, 396, 1511-1524.	13.7	219
10	Leptin resistance in obesity: An epigenetic landscape. Life Sciences, 2015, 140, 57-63.	4.3	178
11	Short-term safety, tolerability and efficacy of a very low-calorie-ketogenic diet interventional weight loss program versus hypocaloric diet in patients with type 2 diabetes mellitus. Nutrition and Diabetes, 2016, 6, e230-e230.	3.2	175
12	Comparison of a very low-calorie-ketogenic diet with a standard low-calorie diet in the treatment of obesity. Endocrine, 2014, 47, 793-805.	2.3	167
13	Body Composition Changes After Very-Low-Calorie Ketogenic Diet in Obesity Evaluated by 3 Standardized Methods. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 488-498.	3.6	160
14	Obesity treatment by very low-calorie-ketogenic diet at two years: reduction in visceral fat and on the burden of disease. Endocrine, 2016, 54, 681-690.	2.3	155
15	Association of Irisin with Fat Mass, Resting Energy Expenditure, and Daily Activity in Conditions of Extreme Body Mass Index. International Journal of Endocrinology, 2014, 2014, 1-9.	1.5	151
16	Epigenetic inactivation of the p53-induced long noncoding RNA TP53 target 1 in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7535-E7544.	7.1	140
17	Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331â€˜288 participants. Lancet Diabetes and Endocrinology,the, 2015, 3, 624-637.	11.4	139
18	Weight Regain after a Diet-Induced Loss Is Predicted by Higher Baseline Leptin and Lower Ghrelin Plasma Levels. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 5037-5044.	3.6	132

#	Article	IF	Citations
19	Longitudinal variation of circulating irisin after an energy restrictionâ€induced weight loss and following weight regain in obese men and women. American Journal of Human Biology, 2014, 26, 198-207.	1.6	117
20	Oxidative stress associated to dysfunctional adipose tissue: a potential link between obesity, type 2 diabetes mellitus and breast cancer. Free Radical Research, 2013, 47, 243-256.	3.3	111
21	Association between circulating irisin levels and the promotion of insulin resistance during the weight maintenance period after a dietary weight-lowering program in obese patients. Metabolism: Clinical and Experimental, 2014, 63, 520-531.	3.4	111
22	Resting metabolic rate of obese patients under very low calorie ketogenic diet. Nutrition and Metabolism, 2018, 15, 18.	3.0	103
23	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, 251-261.	2.0	100
24	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.	1.9	96
25	Effect of A Very Low-Calorie Ketogenic Diet on Food and Alcohol Cravings, Physical and Sexual Activity, Sleep Disturbances, and Quality of Life in Obese Patients. Nutrients, 2018, 10, 1348.	4.1	94
26	Sirtuin gene expression in human mononuclear cells is modulated by caloric restriction. European Journal of Clinical Investigation, 2008, 38, 672-678.	3.4	91
27	A hypocaloric diet enriched in legumes specifically mitigates lipid peroxidation in obese subjects. Free Radical Research, 2007, 41, 498-506.	3.3	89
28	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.	3.3	88
29	A role for fruit content in energy-restricted diets in improving antioxidant status in obese women during weight loss. Nutrition, 2006, 22, 593-599.	2.4	80
30	A role for novel adipose tissueâ€secreted factors in obesityâ€related carcinogenesis. Obesity Reviews, 2016, 17, 361-376.	6.5	77
31	Irisin: â€˜fatâ€™ or artefact. Clinical Endocrinology, 2015, 82, 467-474.	2.4	76
32	Genome-wide DNA methylation pattern in visceral adipose tissue differentiates insulin-resistant from insulin-sensitive obese subjects. Translational Research, 2016, 178, 13-24.e5.	5.0	71
33	Obestatin as a regulator of adipocyte metabolism and adipogenesis. Journal of Cellular and Molecular Medicine, 2011, 15, 1927-1940.	3.6	70
34	The Gastric CB1 Receptor Modulates Ghrelin Production through the mTOR Pathway to Regulate Food Intake. PLoS ONE, 2013, 8, e80339.	2.5	66
35	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. International Journal of Epidemiology, 2018, 47, 872-883i.	1.9	65
36	â€œFood Addictionâ€in Patients with Eating Disorders is Associated with Negative Urgency and Difficulties to Focus on Long-Term Goals. Frontiers in Psychology, 2016, 7, 61.	2.1	60

#	Article	IF	Citations
37	Obesity and the reproductive system disorders: epigenetics as a potential bridge. Human Reproduction Update, 2015, 21, 249-261.	10.8	59
38	Plasma FGF21 levels in obese patients undergoing energy-restricted diets or bariatric surgery: a marker of metabolic stress?. International Journal of Obesity, 2017, 41, 1570-1578.	3.4	58
39	Higher baseline irisin concentrations are associated with greater reductions in glycemia and insulinemia after weight loss in obese subjects. Nutrition and Diabetes, 2014, 4, e110-e110.	3.2	57
40	Food Addiction in Bulimia Nervosa: Clinical Correlates and Association with Response to a Brief Psychoeducational Intervention. European Eating Disorders Review, 2016, 24, 482-488.	4.1	54
41	Plasma irisin depletion under energy restriction is associated with improvements in lipid profile in metabolic syndrome patients. Clinical Endocrinology, 2014, 81, 306-311.	2.4	53
42	Specific insulin sensitivity and leptin responses to a nutritional treatment of obesity via a combination of energy restriction and fatty fish intake. Journal of Human Nutrition and Dietetics, 2008, 21, 591-600.	2.5	52
43	Interplay of atherogenic factors, protein intake and betatrophin levels in obeseâ€“metabolic syndrome patients treated with hypocaloric diets. International Journal of Obesity, 2016, 40, 403-410.	3.4	47
44	National trends in total cholesterol obscure heterogeneous changes in HDL and non-HDL cholesterol and total-to-HDL cholesterol ratio: a pooled analysis of 458 population-based studies in Asian and Western countries. International Journal of Epidemiology, 2020, 49, 173-192.	1.9	44
45	Identification of an episignature of human colorectal cancer associated with obesity by genome-wide DNA methylation analysis. International Journal of Obesity, 2019, 43, 176-188.	3.4	42
46	The â^' 11391G/APolymorphism of the Adiponectin Gene Promoter is Associated with Metabolic Syndrome Traits and the Outcome of an Energy-restricted Diet in Obese Subjects. Hormone and Metabolic Research, 2009, 41, 55-61.	1.5	41
47	Epigenetic silencing of TGFBI confers resistance to trastuzumab in human breast cancer. Breast Cancer Research, 2019, 21, 79.	5.0	41
48	Heterogeneous contributions of change in population distribution of body mass index to change in obesity and underweight. ELife, 2021, 10, .	6.0	41
49	Translating cancer epigenomics into the clinic: focus on lung cancer. Translational Research, 2017, 189, 76-92.	5.0	40
50	Adipose tissue inflammation and VDR expression and methylation in colorectal cancer. Clinical Epigenetics, 2018, 10, 60.	4.1	40
51	Effect of a Very-Low-Calorie Ketogenic Diet on Circulating Myokine Levels Compared with the Effect of Bariatric Surgery or a Low-Calorie Diet in Patients with Obesity. Nutrients, 2019, 11, 2368.	4.1	40
52	A two-gene epigenetic signature for the prediction of response to neoadjuvant chemotherapy in triple-negative breast cancer patients. Clinical Epigenetics, 2019, 11, 33.	4.1	39
53	A Nutrigenomic Inflammation-Related PBMC-Based Approach to Predict the Weight-Loss Regain in Obese Subjects. Annals of Nutrition and Metabolism, 2009, 54, 43-51.	1.9	38
54	Obesity-Related Epigenetic Changes After Bariatric Surgery. Frontiers in Endocrinology, 2019, 10, 232.	3.5	38

#	Article	IF	Citations
55	Orexin and sleep quality in anorexia nervosa: Clinical relevance and influence on treatment outcome. Psychoneuroendocrinology, 2016, 65, 102-108.	2.7	36
56	Visceral and subcutaneous adipose tissue express and secrete functional alpha2hsglycoprotein (fetuin a) especially in obesity. Endocrine, 2017, 55, 435-446.	2.3	36
57	Obesity and menopause modify the epigenomic profile of breast cancer. Endocrine-Related Cancer, 2017, 24, 351-363.	3.1	35
58	Decision Making Impairment: A Shared Vulnerability in Obesity, Gambling Disorder and Substance Use Disorders?. PLoS ONE, 2016, 11, e0163901.	2.5	34
59	Genome-Wide DNA Methylation Analysis Identifies Novel Hypomethylated Non-Pericentromeric Genes with Potential Clinical Implications in ICF Syndrome. PLoS ONE, 2015, 10, e0132517.	2.5	33
60	Ketogenic diets as treatment of obesity and type 2 diabetes mellitus. Reviews in Endocrine and Metabolic Disorders, 2020, 21, 381-397.	5.7	32
61	Notch1 Pathway Activation Results from the Epigenetic Abrogation of Notch-Related MicroRNAs in Mycosis Fungoides. Journal of Investigative Dermatology, 2015, 135, 3144-3152.	0.7	31
62	Secreted factors derived from obese visceral adipose tissue regulate the expression of breast malignant transformation genes. International Journal of Obesity, 2016, 40, 514-523.	3.4	31
63	Circadian gene methylation profiles are associated with obesity, metabolic disturbances and carbohydrate intake. Chronobiology International, 2018, 35, 969-981.	2.0	31
64	The Obestatin/GPR39 System Is Up-regulated by Muscle Injury and Functions as an Autocrine Regenerative System. Journal of Biological Chemistry, 2012, 287, 38379-38389.	3.4	30
65	Changes in Body Composition in Anorexia Nervosa: Predictors of Recovery and Treatment Outcome. PLoS ONE, 2015, 10, e0143012.	2.5	30
66	Acidâ€“base safety during the course of a very low-calorie-ketogenic diet. Endocrine, 2017, 58, 81-90.	2.3	30
67	Modulation of Higher-Order Olfaction Components on Executive Functions in Humans. PLoS ONE, 2015, 10, e0130319.	2.5	29
68	Tachyphylaxis effects on postprandial oxidative stress and mitochondrial-related gene expression in overweight subjects after a period of energy restriction. European Journal of Nutrition, 2009, 48, 341-347.	3.9	28
69	Enhanced short-term improvement of insulin response to a low-caloric diet in obese carriers the Gly482Ser variant of the PGC-1Î± gene. Diabetes Research and Clinical Practice, 2008, 82, 190-196.	2.8	27
70	Age, sex, and lactating status regulate ghrelin secretion and GOAT mRNA levels from isolated rat stomach. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E341-E350.	3.5	27
71	Modulation of Irisin and Physical Activity on Executive Functions in Obesity and Morbid obesity. Scientific Reports, 2016, 6, 30820.	3.3	27
72	Enduring Changes in Decision Making in Patients with Full Remission from Anorexia Nervosa. European Eating Disorders Review, 2016, 24, 523-527.	4.1	26

#	Article	IF	Citations
73	An Epigenetic Signature in Adipose Tissue Is Linked to Nicotinamide Nâ€Methyltransferase Gene Expression. Molecular Nutrition and Food Research, 2018, 62, e1700933.	3.3	26
74	Reduced Plasma Orexin-A Concentrations are Associated with Cognitive Deficits in Anorexia Nervosa. Scientific Reports, 2019, 9, 7910.	3.3	26
75	Relevance of nutritional assessment and treatment to counteract cardiac cachexia and sarcopenia in chronic heart failure. Clinical Nutrition, 2021, 40, 5141-5155.	5.0	26
76	DNA methylation patterns at sweet taste transducing genes are associated with BMI and carbohydrate intake in an adult population. Appetite, 2018, 120, 230-239.	3.7	25
77	Oxidative Stress Induced by Excess of Adiposity Is Related to a Downregulation of Hepatic SIRT6 Expression in Obese Individuals. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-7.	4.0	25
78	Pre-treatment circulating leptin/ghrelin ratio as a non-invasive marker to identify patients likely to regain the lost weight after an energy restriction treatment. Journal of Endocrinological Investigation, 2014, 37, 119-126.	3.3	24
79	Associations between neuropsychological performance and appetite-regulating hormones in anorexia nervosa and healthy controls: Ghrelin's putative role as a mediator of decision-making. Molecular and Cellular Endocrinology, 2019, 497, 110441.	3.2	24
80	Comparative Effects of Pterostilbene and Its Parent Compound Resveratrol on Oxidative Stress and Inflammation in Steatohepatitis Induced by High-Fat High-Fructose Feeding. Antioxidants, 2020, 9, 1042.	5.1	23
81	The effects of bariatric surgery on clinical profile, DNA methylation, and ageing in severely obese patients. Clinical Epigenetics, 2020, 12, 14.	4.1	23
82	Preproghrelin expression is a key target for insulin action on adipogenesis. Journal of Endocrinology, 2011, 210, R1-R7.	2.6	22
83	Association between variation of circulating 25-OH vitamin D and methylation of secreted frizzled-related protein 2 in colorectal cancer. Clinical Epigenetics, 2020, 12, 83.	4.1	22
84	Epigenetic landscape in blood leukocytes following ketosis and weight loss induced by a very low calorie ketogenic diet (VLCKD) in patients with obesity. Clinical Nutrition, 2021, 40, 3959-3972.	5.0	22
85	Immunomodulatory effect of a very-low-calorie ketogenic diet compared with bariatric surgery and a low-calorie diet in patients with excessive body weight. Clinical Nutrition, 2022, 41, 1566-1577.	5.0	21
86	Energy restriction in obese subjects impact differently two mitochondrial function markers. Journal of Physiology and Biochemistry, 2008, 64, 211-219.	3.0	19
87	Association between serum 25-hydroxyvitamin D and global DNA methylation in visceral adipose tissue from colorectal cancer patients. BMC Cancer, 2019, 19, 93.	2.6	19
88	Novel SFRP2 DNA Methylation Profile Following Neoadjuvant Therapy in Colorectal Cancer Patients with Different Grades of BMI. Journal of Clinical Medicine, 2019, 8, 1041.	2.4	16
89	DNA methylation pattern changes following a short-term hypocaloric diet in women with obesity. European Journal of Clinical Nutrition, 2020, 74, 1345-1353.	2.9	16
90	Ketotherapy as an epigenetic modifier in cancer. Reviews in Endocrine and Metabolic Disorders, 2020, 21, 509-519.	5.7	16

#	Article	IF	Citations
91	Epigenetic Effects of Healthy Foods and Lifestyle Habits from the Southern European Atlantic Diet Pattern: A Narrative Review. Advances in Nutrition, 2022, 13, 1725-1747.	6.4	16
92	Inflammatory State and Stress Condition in Weight-lowering Lys109Arg LEPR Gene Polymorphism Carriers. Archives of Medical Research, 2009, 40, 306-310.	3.3	15
93	Expression of Two Inflammation-Related Genes (RIPK3 and RNF216) in Mononuclear Cells Is Associated with Weight-Loss Regain in Obese Subjects. Journal of Nutrigenetics and Nutrigenomics, 2009, 2, 78-84.	1.3	15
94	Role of epigenomic mechanisms in the onset and management of insulin resistance. Reviews in Endocrine and Metabolic Disorders, 2019, 20, 89-102.	5.7	15
95	DNA methylation screening after roux-en Y gastric bypass reveals the epigenetic signature stems from genes related to the surgery per se. BMC Medical Genomics, 2019, 12, 72.	1.5	14
96	ZNF577 Methylation Levels in Leukocytes From Women With Breast Cancer Is Modulated by Adiposity, Menopausal State, and the Mediterranean Diet. Frontiers in Endocrinology, 2020, 11, 245.	3.5	14
97	Association of MFSD3 promoter methylation level and weight regain after gastric bypass: Assessment for 3 y after surgery. Nutrition, 2020, 70, 110499.	2.4	13
98	An energy restrictionâ€based weight loss intervention is able to reverse the effects of obesity on the expression of liver tumorâ€promoting genes. FASEB Journal, 2020, 34, 2312-2325.	0.5	13
99	Ghrelin as a GH-Releasing Factor. Endocrine Development, 2013, 25, 49-58.	1.3	12
100	Interaction Between Orexinâ€A and Sleep Quality in Females in Extreme Weight Conditions. European Eating Disorders Review, 2016, 24, 510-517.	4.1	11
101	Association of breast cancer and obesity in a homogeneous population from Spain. Journal of Endocrinological Investigation, 2012, 35, 681-5.	3.3	11
102	Impact of Tumor LINE-1 Methylation Level and Neoadjuvant Treatment and Its Association with Colorectal Cancer Survival. Journal of Personalized Medicine, 2020, 10, 219.	2.5	9
103	DNA methylome in visceral adipose tissue can discriminate patients with and without colorectal cancer. Epigenetics, 2022, 17, 665-676.	2.7	9
104	Adipose tissue and blood leukocytes ACE2 DNA methylation in obesity and after weight loss. European Journal of Clinical Investigation, 2022, 52, e13685.	3.4	9
105	Altered pathways in methylome and transcriptome longitudinal analysis of normal weight and bariatric surgery women. Scientific Reports, 2020, 10, 6515.	3.3	8
106	Potential effects of nutrition-based weight loss therapies in reversing obesity-related breast cancer epigenetic marks. Food and Function, 2021, 12, 1402-1414.	4.6	8
107	Noninvasive early detection of colorectal cancer by hypermethylation of the LINC00473 promoter in plasma cell-free DNA. Clinical Epigenetics, 2022, 14, .	4.1	8
108	Anti-obesity activity of OBEX is regulated by activation of thermogenesis and decreasing adiposity gain. Scientific Reports, 2018, 8, 17155.	3.3	7

#	Article	IF	Citations
109	Molecular Basis of the Inflammation Related to Obesity. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-2.	4.0	7
110	Weight loss normalizes enhanced expression of the oncogene survivin in visceral adipose tissue and blood leukocytes from individuals with obesity. International Journal of Obesity, 2021, 45, 206-216.	3.4	7
111	Fruit, Vegetables, and Legumes Consumption. , 2010, , 359-380.		6
112	Obesity and the future. New problems and new solutions. Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion, 2013, 60, 33-35.	0.8	4
113	DNA Methylation in Obesity and Associated Diseases. , 2016, , 313-329.		4
114	Epigenetic biomarkers in metabolic syndrome and obesity. , 2019, , 269-287.		4
115	FGF-21 LEVELS AND LIVER INFLAMMATORY BIOMARKERS IN OBESE SUBJECTS AFTER WEIGHT LOSS.. Archives of Medical Science, 2021, 18, 36-44.	0.9	3
116	25-Hydroxyvitamin D status is associated with interleukin-6 methylation in adipose tissue from patients with colorectal cancer. Food and Function, 2021, 12, 9620-9631.	4.6	3
117	Gastric Ghrelin in the Regulation of Appetite and Metabolism. , 2012, , 73-89.		2
118	Food components affecting the epigenome: â€œErgogeneticâ€•aids for performance. PharmaNutrition, 2020, 14, 100231.	1.7	2
119	Effectiveness to promote weight loss maintenance and healthy lifestyle habits of a group educational intervention program in adults with obesity: IGOBE program. Obesity Research and Clinical Practice, 2021, 15, 570-578.	1.8	2
120	Research update for articles published in EJCI in 2008. European Journal of Clinical Investigation, 2010, 40, 770-789.	3.4	1
121	Decreased ghrelin levels: the cause of obesity and weight regain?. Expert Review of Endocrinology and Metabolism, 2012, 7, 127-129.	2.4	1
122	Regulation of Growth Hormone by the Splanchnic Area. Progress in Molecular Biology and Translational Science, 2016, 138, 41-60.	1.7	1
123	Nutrients and Gene Expression in Cancer. , 2020, , 483-488.		1
124	An Epigenetic Signature is Associated with Serum 25â€Hydroxyvitamin D in Colorectal Cancer Tumors. Molecular Nutrition and Food Research, 2021, 65, 2100125.	3.3	1
125	Reducing Metabolic Syndrome through a Group Educational Intervention Program in Adults with Obesity: IGOBE Program. Nutrients, 2022, 14, 1066.	4.1	1
126	Ghrelin. , 2013, , 996-1004.		0

#	Article	IF	Citations
127	Conversion from Duodenal Switch to Single Anastomosis Duodenal Switch to Deal with Postoperative Malnutrition. Obesity Surgery, 2021, 31, 431-436.	2.1	0
128	Epigenetics and precision medicine in diabetes and obesity prevention and management. , 2022, , 327-346.		0