Mar Garcia-Aloy

List of Publications by Citations

57 papers	1,575 citations	24 h-index	39 g-index
61 ext. papers	2,013 ext. citations	5.5 avg, IF	4.46 L-index

#	Paper	IF	Citations
57	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. *Molecular Nutrition and Food Research*, **2019**, 63, e1800384	5.9	107
56	Validation of biomarkers of food intake-critical assessment of candidate biomarkers. *Genes and Nutrition*, **2018**, 13, 14	4.3	98
55	Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-Individual Variability. *Nutrients*, **2017**, 9,	6.7	93
54	Metabolomics unveils urinary changes in subjects with metabolic syndrome following 12-week nut consumption. *Journal of Proteome Research*, **2011**, 10, 5047-58	5.6	88
53	Cocoa polyphenols and inflammatory markers of cardiovascular disease. *Nutrients*, **2014**, 6, 844-80	6.7	82
52	Meta-Analysis of the Effects of Foods and Derived Products Containing Ellagitannins and Anthocyanins on Cardiometabolic Biomarkers: Analysis of Factors Influencing Variability of the Individual Responses. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	77
51	Nutrimetabolomic strategies to develop new biomarkers of intake and health effects. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8797-808	5.7	76
50	A scheme for a flexible classification of dietary and health biomarkers. *Genes and Nutrition*, **2017**, 12, 34	4.3	49
49	Guidelines for Biomarker of Food Intake Reviews (BFIRev): how to conduct an extensive literature search for biomarker of food intake discovery. *Genes and Nutrition*, **2018**, 13, 3	4.3	47
48	Intensity drift removal in LC/MS metabolomics by common variance compensation. *Bioinformatics*, **2014**, 30, 2899-905	7.2	46
47	Novel multimetabolite prediction of walnut consumption by a urinary biomarker model in a free-living population: the PREDIMED study. *Journal of Proteome Research*, **2014**, 13, 3476-83	5.6	44
46	Metabolomic fingerprint in patients at high risk of cardiovascular disease by cocoa intervention. *Molecular Nutrition and Food Research*, **2013**, 57, 962-73	5.9	43
45	A metabolomics-driven approach to predict cocoa product consumption by designing a multimetabolite biomarker model in free-living subjects from the PREDIMED study. *Molecular Nutrition and Food Research*, **2015**, 59, 212-20	5.9	41
44	A Systematic Review and Meta-Analysis of the Effects of Flavanol-Containing Tea, Cocoa and Apple Products on Body Composition and Blood Lipids: Exploring the Factors Responsible for Variability in Their Efficacy. *Nutrients*, **2017**, 9, 746	6.7	39
43	Association between a healthy lifestyle and general obesity and abdominal obesity in an elderly population at high cardiovascular risk. *Preventive Medicine*, **2011**, 53, 155-61	4.3	39
42	Plasma metabolomic biomarkers of mixed nuts exposure inversely correlate with severity of metabolic syndrome. *Molecular Nutrition and Food Research*, **2015**, 59, 2480-90	5.9	38
41	Exploring the Molecular Pathways Behind the Effects of Nutrients and Dietary Polyphenols on Gut Microbiota and Intestinal Permeability: A Perspective on the Potential of Metabolomics and Future Clinical Applications. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1780-1789	5.7	34

40	Nutrimetabolomics fingerprinting to identify biomarkers of bread exposure in a free-living population from the PREDIMED study cohort. *Metabolomics*, **2015**, 11, 155-165	4.7	33
39	Food intake biomarkers for apple, pear, and stone fruit. *Genes and Nutrition*, **2018**, 13, 29	4.3	32
38	Biomarkers of intake for coffee, tea, and sweetened beverages. *Genes and Nutrition*, **2018**, 13, 15	4.3	31
37	Biomarkers of food intake for nuts and vegetable oils: an extensive literature search. *Genes and Nutrition*, **2019**, 14, 7	4.3	27
36	Urinary metabolomic fingerprinting after consumption of a probiotic strain in women with mastitis. *Pharmacological Research*, **2014**, 87, 160-5	10.2	25
35	Biomarker of food intake for assessing the consumption of dairy and egg products. *Genes and Nutrition*, **2018**, 13, 26	4.3	25
34	Novel strategies for improving dietary exposure assessment: Multiple-data fusion is a more accurate measure than the traditional single-biomarker approach. *Trends in Food Science and Technology*, **2017**, 69, 220-229	15.3	24
33	Comparative metabolite fingerprinting of legumes using LC-MS-based untargeted metabolomics. *Food Research International*, **2019**, 126, 108666	7	23
32	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. *Nature Communications*, **2021**, 12, 3832	17.4	22
31	Breakthroughs in the Health Effects of Plant Food Bioactives: A Perspective on Microbiomics, Nutri(epi)genomics, and Metabolomics. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 10686-10692	5.7	22
30	Impact of chlorogenic acids from coffee on urine metabolome in healthy human subjects. *Food Research International*, **2016**, 89, 1064-1070	7	20
29	Biomarkers of cereal food intake. *Genes and Nutrition*, **2019**, 14, 28	4.3	19
28	Biomarkers of legume intake in human intervention and observational studies: a systematic review. *Genes and Nutrition*, **2018**, 13, 25	4.3	19
27	High Resolution Mass Spectrometric Analysis of Secoiridoids and Metabolites as Biomarkers of Acute Olive Oil Intake-An Approach to Study Interindividual Variability in Humans. *Molecular Nutrition and Food Research*, **2018**, 62, 1700065	5.9	18
26	Untargeted H NMR-Based Metabolomics Analysis of Urine and Serum Profiles after Consumption of Lentils, Chickpeas, and Beans: An Extended Meal Study To Discover Dietary Biomarkers of Pulses. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 6997-7005	5.7	18
25	Microbial metabolites are associated with a high adherence to a Mediterranean dietary pattern using a H-NMR-based untargeted metabolomics approach. *Journal of Nutritional Biochemistry*, **2017**, 48, 36-43	6.3	17
24	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. *Nutrients*, **2019**, 11,	6.7	17
23	Food intake biomarkers for berries and grapes. *Genes and Nutrition*, **2020**, 15, 17	4.3	15

22	Urinary H Nuclear Magnetic Resonance Metabolomic Fingerprinting Reveals Biomarkers of Pulse Consumption Related to Energy-Metabolism Modulation in a Subcohort from the PREDIMED study. *Journal of Proteome Research*, **2017**, 16, 1483-1491	5.6	12
21	Effects of a long-term lifestyle intervention on metabolically healthy women with obesity: Metabolite profiles according to weight loss response. *Clinical Nutrition*, **2020**, 39, 215-224	5.9	12
20	Role of Theobromine in Cocoa's Metabolic Properties in Healthy Rats. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 3605-3614	5.7	10
19	Two apples a day modulate human:microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan. *European Journal of Nutrition*, **2020**, 59, 3691-3714	5.2	10
18	Food Intake Biomarkers for Increasing the Efficiency of Dietary Pattern Assessment through the Use of Metabolomics: Unforeseen Research Requirements for Addressing Current Gaps. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5-7	5.7	10
17	Impact in Plasma Metabolome as Effect of Lifestyle Intervention for Weight-Loss Reveals Metabolic Benefits in Metabolically Healthy Obese Women. *Journal of Proteome Research*, **2018**, 17, 2600-2610	5.6	10
16	Bone quantitative ultrasound measurements in relation to the metabolic syndrome and type 2 diabetes mellitus in a cohort of elderly subjects at high risk of cardiovascular disease from the PREDIMED study. *Journal of Nutrition, Health and Aging*, **2011**, 15, 939-44	5.2	10
15	Discovery of Intake Biomarkers of Lentils, Chickpeas, and White Beans by Untargeted LC-MS Metabolomics in Serum and Urine. *Molecular Nutrition and Food Research*, **2020**, 64, e1901137	5.9	9
14	Biomarkers of intake for tropical fruits. *Genes and Nutrition*, **2020**, 15, 11	4.3	9
13	Improving the reporting quality of intervention trials addressing the inter-individual variability in response to the consumption of plant bioactives: quality index and recommendations. *European Journal of Nutrition*, **2019**, 58, 49-64	5.2	7
12	Isotopic dilution method for bile acid profiling reveals new sulfate glycine-conjugated dihydroxy bile acids and glucuronide bile acids in serum. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 173, 1-17	3.5	6
11	Phytochemicals in Legumes: A Qualitative Reviewed Analysis. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 13486-13496	5.7	6
10	Metabolic Signature of a Functional High-Catechin Tea after Acute and Sustained Consumption in Healthy Volunteers through H NMR Based Metabolomics Analysis of Urine. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 3118-3124	5.7	6
9	A systematic review and meta-analysis of randomized controlled trials exploring the role of inter-individual variability on the effect of flavanols on insulin and HOMA-IR. *Proceedings of the Nutrition Society*, **2018**, 77,	2.9	2
8	Metabolomic Approaches in the Study of Wine Benefits in Human Health **2016**, 293-317		0
7	Comparison of chemometric strategies for potential exposure marker discovery and false-positive reduction in untargeted metabolomics: application to the serum analysis by LC-HRMS after intake of Vaccinium fruit supplements.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 1841	4.4	0
6	Emerging Applications of Metabolomics to Polyphenols and CVD Biomarker Discovery **2014**, 1025-1044		
5	Healthy lifestyle and obesity among elderly with cardiovascular risks: authors'response. *Preventive Medicine*, **2012**, 54, 366	4.3	

4	Los tests de sensibilidad alimentaria no son una herramienta útil para el diagnóstico o el tratamiento de la obesidad u otras enfermedades: Declaración de Postura del Grupo de Revisión, Estudio y Posicionamiento de la Asociación Española de Dietistas-Nutricionistas (GREP-AEDN). *Actividad Dietetica*, **2010**, 14, 27-31	
3	Obesity and inflammation. **2013**, 193-216	
2	Reply to the letter to the editor: Lifestyle interventions on weight loss among metabolically healthy obese women. *Clinical Nutrition*, **2020**, 39, 2933-2934	5.9
1	Exploiting Intestinal Organoids and Foodomics Strategies for Studying the Role of Diet and Host Responses **2021**, 508-515	