Mar Garcia-Aloy

List of Publications by Year
in descending order

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60 papers	2,353 citations	172386 29 h-index	214721 47 g-index
61 all docs	61 docs citations	61 times ranked	3553 citing authors

#	Article	IF	Citations
1	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. Molecular Nutrition and Food Research, 2019, 63, e1800384.	1.5	173
2	Validation of biomarkers of food intakeâ€"critical assessment of candidate biomarkers. Genes and Nutrition, 2018, 13, 14.	1.2	152
3	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. Nature Communications, 2021, 12, 3832.	5.8	119
4	Impact of Flavonols on Cardiometabolic Biomarkers: A Metaâ€Analysis of Randomized Controlled Human Trials to Explore the Role of Interâ€Individual Variability. Nutrients, 2017, 9, 117.	1.7	111
5	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, 694.	1.8	108
6	Cocoa Polyphenols and Inflammatory Markers of Cardiovascular Disease. Nutrients, 2014, 6, 844-880.	1.7	102
7	Metabolomics Unveils Urinary Changes in Subjects with Metabolic Syndrome following 12-Week Nut Consumption. Journal of Proteome Research, 2011, 10, 5047-5058.	1.8	99
8	Nutrimetabolomic Strategies To Develop New Biomarkers of Intake and Health Effects. Journal of Agricultural and Food Chemistry, 2012, 60, 8797-8808.	2.4	84
9	A scheme for a flexible classification of dietary and health biomarkers. Genes and Nutrition, 2017, 12, 34.	1.2	76
10	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.	1.2	71
11	Intensity drift removal in LC/MS metabolomics by common variance compensation. Bioinformatics, 2014, 30, 2899-2905.	1.8	56
12	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.	1.7	52
13	Food intake biomarkers for apple, pear, and stone fruit. Genes and Nutrition, 2018, 13, 29.	1.2	51
14	Biomarkers of intake for coffee, tea, and sweetened beverages. Genes and Nutrition, 2018, 13, 15.	1.2	51
15	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, 3476-3483.	1.8	47
16	Biomarkers of food intake for nuts and vegetable oils: an extensive literature search. Genes and Nutrition, 2019, 14, 7.	1.2	47
17	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.	2.4	47
18	Association between a healthy lifestyle and general obesity and abdominal obesity in an elderly population at high cardiovascular risk. Preventive Medicine, 2011, 53, 155-161.	1.6	46

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19	Metabolomic fingerprint in patients at high risk of cardiovascular disease by cocoa intervention. Molecular Nutrition and Food Research, 2013, 57, 962-973.	1.5	44
20	Plasma metabolomic biomarkers of mixed nuts exposure inversely correlate with severity of metabolic syndrome. Molecular Nutrition and Food Research, 2015, 59, 2480-2490.	1.5	44
21	A metabolomicsâ€driven approach to predict cocoa product consumption by designing a multimetabolite biomarker model in freeâ€living subjects from the PREDIMED study. Molecular Nutrition and Food Research, 2015, 59, 212-220.	1.5	44
22	Biomarkers of cereal food intake. Genes and Nutrition, 2019, 14, 28.	1.2	43
23	Biomarker of food intake for assessing the consumption of dairy and egg products. Genes and Nutrition, 2018, 13, 26.	1.2	40
24	Food intake biomarkers for berries and grapes. Genes and Nutrition, 2020, 15, 17.	1.2	39
25	Comparative metabolite fingerprinting of legumes using LC-MS-based untargeted metabolomics. Food Research International, 2019, 126, 108666.	2.9	38
26	Nutrimetabolomics fingerprinting to identify biomarkers of bread exposure in a free-living population from the PREDIMED study cohort. Metabolomics, 2015, 11, 155-165.	1.4	37
27	Urinary metabolomic fingerprinting after consumption of a probiotic strain in women with mastitis. Pharmacological Research, 2014, 87, 160-165.	3.1	35
28	Biomarkers of legume intake in human intervention and observational studies: a systematic review. Genes and Nutrition, 2018, 13, 25.	1.2	34
29	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.	7.8	32
30	Microbial metabolites are associated with a high adherence to a Mediterranean dietary pattern using a 1H-NMR-based untargeted metabolomics approach. Journal of Nutritional Biochemistry, 2017, 48, 36-43.	1.9	32
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.	2.4	31
32	Discovery of Intake Biomarkers of Lentils, Chickpeas, and White Beans by Untargeted LCâ€“MS Metabolomics in Serum and Urine. Molecular Nutrition and Food Research, 2020, 64, e1901137.	1.5	30
33	High Resolution Mass Spectrometric Analysis of Secoiridoids and Metabolites as Biomarkers of Acute Olive Oil Intakeâ€"An Approach to Study Interindividual Variability in Humans. Molecular Nutrition and Food Research, 2018, 62, 1700065.	1.5	27
34	Untargeted ¹H 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.	2.4	27
35	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.	1.8	27
36	Impact of chlorogenic acids from coffee on urine metabolome in healthy human subjects. Food Research International, 2016, 89, 1064-1070.	2.9	26

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37	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. Nutrients, 2019, 11, 1805.	1.7	25
38	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.	2.3	24
39	Role of Theobromine in Cocoaâ€™s Metabolic Properties in Healthy Rats. Journal of Agricultural and Food Chemistry, 2019, 67, 3605-3614.	2.4	23
40	Phytochemicals in Legumes: A Qualitative Reviewed Analysis. Journal of Agricultural and Food Chemistry, 2020, 68, 13486-13496.	2.4	20
41	Biomarkers of intake for tropical fruits. Genes and Nutrition, 2020, 15, 11.	1.2	20
42	Two apples a day modulate human:microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan. European Journal of Nutrition, 2020, 59, 3691-3714.	1.8	20
43	Urinary1H 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.	1.8	15
44	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.	1.4	14
45	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, 939-944.	1.5	12
46	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.	2.4	10
47	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.	1.8	9
48	Metabolic Signature of a Functional High-Catechin Tea after Acute and Sustained Consumption in Healthy Volunteers through ¹H NMR Based Metabolomics Analysis of Urine. Journal of Agricultural and Food Chemistry, 2019, 67, 3118-3124.	2.4	8
49	Grape Lipidomics: An Extensive Profiling thorough UHPLC-MS/MS Method. Metabolites, 2021, 11, 827.	1.3	6
50	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, 1841-1855.	1.9	5
51	Exploratory Analysis of Commercial Olive-Based Dietary Supplements Using Untargeted and Targeted Metabolomics. Metabolites, 2020, 10, 516.	1.3	4
52	Functional Characterization of khadi Yeasts Isolates for Selection of Starter Cultures. Journal of Microbiology and Biotechnology, 2022, 32, 307-316.	0.9	4
53	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, .	0.4	2
54	Metabolomic Approaches in the Study of Wine Benefits in Human Health. , 2016, , 293-317.		1

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55	Los tests de sensibilidad alimentaria no son una herramienta Ãºtil para el diagnÃ³stico o el tratamiento de la obesidad u otras enfermedades: DeclaraciÃ³n de Postura del Grupo de RevisiÃ³n, Estudio y Posicionamiento de la AsociaciÃ³n EspaÃ±ola de Dietistas-Nutricionistas (GREP-AEDN). Actividad Dietetica, 2010, 14, 27-31.	0.1	0
56	Healthy lifestyle and obesity among elderly with cardiovascular risks: Authors' response. Preventive Medicine, 2012, 54, 366.	1.6	0
57	Emerging Applications of Metabolomics to Polyphenols and CVD Biomarker Discovery. , 2014, , 1025-1044.		0
58	Reply to the letter to the editor: Lifestyle interventions on weight loss among metabolically healthy obese women. Clinical Nutrition, 2020, 39, 2933-2934.	2.3	0
59	Exploiting Intestinal Organoids and Foodomics Strategies for Studying the Role of Diet and Host Responses. , 2021, , 508-515.		0
60	Obesity and inflammation.. , 2013, , 193-216.		0