

Ana Rodriguez-Mateos

List of Publications by Citations

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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.

88 papers	6,271 citations	36 h-index	79 g-index
95 ext. papers	7,266 ext. citations	5.5 avg, IF	5.83 L-index

#	Paper	IF	Citations
88	Dietary (poly)phenolics in human health: structures, bioavailability, and evidence of protective effects against chronic diseases. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1818-92	8.4	1592
87	Polyphenols and human health: prevention of disease and mechanisms of action. <i>Nutrients</i> , 2010 , 2, 1106-31	6.7	492
86	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. <i>Archives of Toxicology</i> , 2014 , 88, 1803-53	5.8	386
85	Prebiotic evaluation of cocoa-derived flavanols in healthy humans by using a randomized, controlled, double-blind, crossover intervention study. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 62-72	7	364
84	The neuroprotective potential of flavonoids: a multiplicity of effects. <i>Genes and Nutrition</i> , 2008 , 3, 115-24	4.3	360
83	Intake and time dependence of blueberry flavonoid-induced improvements in vascular function: a randomized, controlled, double-blind, crossover intervention study with mechanistic insights into biological activity. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 1179-91	7	232
82	The citrus flavanone naringenin inhibits inflammatory signalling in glial cells and protects against neuroinflammatory injury. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 484, 100-9	4.1	162
81	Berry (poly)phenols and cardiovascular health. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 3842-51	5.1	130
80	Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600557	5.9	127
79	Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , 2012 , 120, 4229-37	2.2	115
78	Cocoa flavanol intake improves endothelial function and Framingham Risk Score in healthy men and women: a randomised, controlled, double-masked trial: the Flaviola Health Study. <i>British Journal of Nutrition</i> , 2015 , 114, 1246-55	3.6	104
77	Procyanidin, anthocyanin, and chlorogenic acid contents of highbush and lowbush blueberries. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5772-8	5.7	104
76	Central role of eNOS in the maintenance of endothelial homeostasis. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1230-42	8.4	97
75	Identification and quantification of novel cranberry-derived plasma and urinary (poly)phenols. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 599, 31-41	4.1	96
74	Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-Individual Variability. <i>Nutrients</i> , 2017 , 9,	6.7	93
73	Impact of cocoa flavanol intake on age-dependent vascular stiffness in healthy men: a randomized, controlled, double-masked trial. <i>Age</i> , 2015 , 37, 9794		79
72	Peroxynitrite induced formation of the neurotoxins 5-S-cysteinyl-dopamine and DHBT-1: implications for Parkinson's disease and protection by polyphenols. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 476, 145-51	4.1	78

71	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. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	77
70	Impact of processing on the bioavailability and vascular effects of blueberry (poly)phenols. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1952-61	5.9	72
69	Cranberry (poly)phenol metabolites correlate with improvements in vascular function: A double-blind, randomized, controlled, dose-response, crossover study. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2130-2140	5.9	70
68	Methylxanthines enhance the effects of cocoa flavanols on cardiovascular function: randomized, double-masked controlled studies. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 352-360	7	60
67	Circulating Anthocyanin Metabolites Mediate Vascular Benefits of Blueberries: Insights From Randomized Controlled Trials, Metabolomics, and Nutrigenomics. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 967-976	6.4	60
66	Absorption, Metabolism and Excretion of Cranberry (Poly)phenols in Humans: A Dose Response Study and Assessment of Inter-Individual Variability. <i>Nutrients</i> , 2017 , 9,	6.7	58
65	Interindividual Variability in Biomarkers of Cardiometabolic Health after Consumption of Major Plant-Food Bioactive Compounds and the Determinants Involved. <i>Advances in Nutrition</i> , 2017 , 8, 558-570 ¹⁰		55
64	Interactions between cocoa flavanols and inorganic nitrate: additive effects on endothelial function at achievable dietary amounts. <i>Free Radical Biology and Medicine</i> , 2015 , 80, 121-8	7.8	54
63	Flavanol metabolites reduce monocyte adhesion to endothelial cells through modulation of expression of genes via p38-MAPK and p65-Nf-kB pathways. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1016-27	5.9	52
62	Development and validation of a high-throughput micro solid-phase extraction method coupled with ultra-high-performance liquid chromatography-quadrupole time-of-flight mass spectrometry for rapid identification and quantification of phenolic metabolites in human plasma and urine. <i>Journal of Chromatography A</i> , 2016 , 1464, 21-31	4.5	50
61	Effects of aronia berry (poly)phenols on vascular function and gut microbiota: a double-blind randomized controlled trial in adult men. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 316-329	7	48
60	Impact of Cranberries on Gut Microbiota and Cardiometabolic Health: Proceedings of the Cranberry Health Research Conference 2015. <i>Advances in Nutrition</i> , 2016 , 7, 759S-70S	10	42
59	Influence of age on the absorption, metabolism, and excretion of cocoa flavanols in healthy subjects. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1504-12	5.9	42
58	Plasma and Urinary Phenolic Profiles after Acute and Repetitive Intake of Wild Blueberry. <i>Molecules</i> , 2016 , 21,	4.8	42
57	Measurement of endothelium-dependent vasodilation in mice--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2651-7	9.4	40
56	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. <i>Nutrients</i> , 2017 , 9, 746	6.7	39
55	A multilevel analytical approach for detection and visualization of intracellular NO production and nitrosation events using diaminofluoresceins. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 2146-58	7.8	39
54	Blueberry intervention improves vascular reactivity and lowers blood pressure in high-fat, high-cholesterol-fed rats. <i>British Journal of Nutrition</i> , 2013 , 109, 1746-54	3.6	38

53	Plasma urolithin metabolites correlate with improvements in endothelial function after red raspberry consumption: A double-blind randomized controlled trial. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 651, 43-51	4.1	37
52	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1051-1068	7	35
51	Impact of cooking, proving, and baking on the (poly)phenol content of wild blueberry. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 3979-86	5.7	34
50	Bioavailability of wild blueberry (poly)phenols at different levels of intake. <i>Journal of Berry Research</i> , 2016 , 6, 137-148	2	31
49	Assessing the respective contributions of dietary flavanol monomers and procyanidins in mediating cardiovascular effects in humans: randomized, controlled, double-masked intervention trial. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 1229-1237	7	31
48	Factors Affecting the Absorption, Metabolism, and Excretion of Cocoa Flavonols in Humans. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7615-23	5.7	29
47	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVE activities. <i>European Journal of Nutrition</i> , 2019 , 58, 37-47	5.2	27
46	Uptake and metabolism of (-)-epicatechin in endothelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 559, 17-23	4.1	27
45	A role for hippocampal PSA-NCAM and NMDA-NR2B receptor function in flavonoid-induced spatial memory improvements in young rats. <i>Neuropharmacology</i> , 2014 , 79, 335-44	5.5	27
44	Influence of sugar type on the bioavailability of cocoa flavanols. <i>British Journal of Nutrition</i> , 2012 , 108, 2243-50	3.6	27
43	Systematic Review of the Effects of Blueberry on Cognitive Performance as We Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 984-995	6.4	25
42	Flavonoid intake and cardiovascular disease risk. <i>Current Opinion in Food Science</i> , 2015 , 2, 92-99	9.8	25
41	Formation of dityrosine cross-links during breadmaking. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 2761-6	5.7	25
40	Identification of differentially methylated BRCA1 and CRISP2 DNA regions as blood surrogate markers for cardiovascular disease. <i>Scientific Reports</i> , 2017 , 7, 5120	4.9	23
39	Combined effect of interventions with pure or enriched mixtures of (poly)phenols and anti-diabetic medication in type 2 diabetes management: a meta-analysis of randomized controlled human trials. <i>European Journal of Nutrition</i> , 2020 , 59, 1329-1343	5.2	21
38	Inhibition of colon adenocarcinoma cell proliferation by flavonols is linked to a G2/M cell cycle block and reduction in cyclin D1 expression. <i>Food Chemistry</i> , 2012 , 130, 493-500	8.5	21
37	Glial metabolism of quercetin reduces its neurotoxic potential. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 478, 195-200	4.1	21
36	Freeze-dried bilberry (<i>Vaccinium myrtillus</i>) dietary supplement improves walking distance and lipids after myocardial infarction: an open-label randomized clinical trial. <i>Nutrition Research</i> , 2019 , 62, 13-22	4	20

35	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. <i>Nutrients</i> , 2019 , 11,	6.7	17
34	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. <i>Proceedings of the Nutrition Society</i> , 2020 , 79, 225-235	2.9	16
33	Angiotensin-(1-7)-induced Mas receptor activation attenuates atherosclerosis through a nitric oxide-dependent mechanism in apolipoproteinE-KO mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2018 , 470, 661-667	4.6	16
32	Assessment of the anthocyanidin content of common fruits and development of a test diet rich in a range of anthocyanins. <i>Journal of Berry Research</i> , 2011 , 1, 209-216	2	15
31	Blueberries and cardiovascular disease prevention. <i>Food and Function</i> , 2019 , 10, 7621-7633	6.1	15
30	Effects of the apple matrix on the postprandial bioavailability of flavan-3-ols and nutrigenomic response of apple polyphenols in minipigs challenged with a high fat meal. <i>Food and Function</i> , 2020 , 11, 5077-5090	6.1	11
29	Consumption of Stilbenes and Flavonoids is Linked to Reduced Risk of Obesity Independently of Fiber Intake. <i>Nutrients</i> , 2020 , 12,	6.7	10
28	Systematic bioinformatic analysis of nutrigenomic data of flavanols in cell models of cardiometabolic disease. <i>Food and Function</i> , 2020 , 11, 5040-5064	6.1	10
27	The effects of betalain-rich cacti (dragon fruit and cactus pear) on endothelial and vascular function: a systematic review of animal and human studies. <i>Food and Function</i> , 2020 , 11, 6807-6817	6.1	10
26	Kinetic profile and urinary excretion of phenyl-Evalerolactones upon consumption of cranberry: a dose-response relationship. <i>Food and Function</i> , 2020 , 11, 3975-3985	6.1	8
25	Effects of Anthocyanin Supplementation on Serum Lipids, Glucose, Markers of Inflammation and Cognition in Adults With Increased Risk of Dementia - A Pilot Study. <i>Frontiers in Genetics</i> , 2019 , 10, 536	4.5	8
24	Pure Polyphenols Applications for Cardiac Health and Disease. <i>Current Pharmaceutical Design</i> , 2018 , 24, 2137-2156	3.3	8
23	(Poly)phenols in Inflammatory Bowel Disease and Irritable Bowel Syndrome: A Review. <i>Molecules</i> , 2021 , 26,	4.8	8
22	Human bioavailability of phenolic compounds found in common beans: the use of high-resolution MS to evaluate inter-individual variability. <i>British Journal of Nutrition</i> , 2020 , 123, 273-292	3.6	7
21	Comparative dietary sulfated metabolome analysis reveals unknown metabolic interactions of the gut microbiome and the human host. <i>Free Radical Biology and Medicine</i> , 2020 , 160, 745-754	7.8	7
20	The intracellular metabolism of isoflavones in endothelial cells. <i>Food and Function</i> , 2015 , 6, 98-108	6.1	6
19	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <i>European Journal of Nutrition</i> , 2019 , 58, 65-73	5.2	6
18	Bioavailability of naringenin chalcone in humans after ingestion of cherry tomatoes. <i>International Journal for Vitamin and Nutrition Research</i> , 2020 , 90, 411-416	1.7	6

17	Dietary Assessment Methods to Estimate (Poly)phenol Intake in Epidemiological Studies: A Systematic Review. <i>Advances in Nutrition</i> , 2021 , 12, 1781-1801	10	6
16	In vivo study of the bioavailability and metabolic profile of (poly)phenols after sous-vide artichoke consumption. <i>Food Chemistry</i> , 2022 , 367, 130620	8.5	6
15	Quantitative Assessment of Dietary (Poly)phenol Intake: A High-Throughput Targeted Metabolomics Method for Blood and Urine Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 537-554	5.7	5
14	Cocoa Flavanols Improve Endothelial Functional Integrity in Healthy Young and Elderly Subjects. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1871-1876	5.7	5
13	Early and late response-to-injury in patients undergoing transradial coronary angiography: arterial remodeling in smokers. <i>American Journal of Cardiovascular Disease</i> , 2014 , 4, 47-57	0.9	4
12	Polyphenols Could Prevent SARS-CoV-2 Infection by Modulating the Expression of miRNAs in the Host Cells 2021 , 12, 1169-1182		4
11	Alcoholic and Non-Alcoholic Beer Modulate Plasma and Macrophage microRNAs Differently in a Pilot Intervention in Humans with Cardiovascular Risk. <i>Nutrients</i> , 2020 , 13,	6.7	3
10	Metabolomics profile responses to changing environments in a common bean (<i>Phaseolus vulgaris</i> L.) germplasm collection. <i>Food Chemistry</i> , 2022 , 370, 131003	8.5	3
9	Flavanol Consumption in Healthy Men Preserves Integrity of Immunological-Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100991	5.9	2
8	Effects of daily consumption of wild blueberry on cognition and urinary metabolites in school-aged children: a pilot study. <i>European Journal of Nutrition</i> , 2021 , 60, 4263-4278	5.2	2
7	Fruits and their impact on the gut microbiota, gut motility and constipation. <i>Food and Function</i> , 2021 , 12, 8850-8866	6.1	2
6	Response to Comments From Brydges & Gaeta and Vorland et al. With Respect to Hein et al. (2019) "Systematic Review of the Effects of Blueberry on Cognitive Performance as We Age". <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, e27-e29	6.4	1
5	Microbiota Changes Due to Grape Seed Extract Diet Improved Intestinal Homeostasis and Decreased Fatness in Parental Broiler Hens. <i>Microorganisms</i> , 2020 , 8,	4.9	1
4	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. <i>Food Chemistry</i> , 2021 , 357, 129757	8.5	1
3	Betalain-rich dragon fruit (pitaya) consumption improves vascular function in adult men and women: a double-blind, randomized controlled crossover trial.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	1
2	Metabotypes of flavan-3-ol colonic metabolites after cranberry intake: elucidation and statistical approaches. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	0
1	Impact of processing on the bioavailability and vascular effects of blueberry (poly)phenols (831.12). <i>FASEB Journal</i> , 2014 , 28, 831.12	0.9	