

# Ana Rodriguez-Mateos

## List of Publications by Year in Descending Order

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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	Flavanol Consumption in Healthy Men Preserves Integrity of Immunological-Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis.. <i>Molecular Nutrition and Food Research</i> , <b>2022</b> , e2100991	5.9	2
87	In vivo study of the bioavailability and metabolic profile of (poly)phenols after sous-vide artichoke consumption. <i>Food Chemistry</i> , <b>2022</b> , 367, 130620	8.5	6
86	Metabolomics profile responses to changing environments in a common bean ( <i>Phaseolus vulgaris</i> L.) germplasm collection. <i>Food Chemistry</i> , <b>2022</b> , 370, 131003	8.5	3
85	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> , <b>2022</b> ,	7	1
84	Metabotypes of flavan-3-ol colonic metabolites after cranberry intake: elucidation and statistical approaches. <i>European Journal of Nutrition</i> , <b>2021</b> , 1	5.2	0
83	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> , <b>2021</b> , 69, 537-554	5.7	5
82	(Poly)phenols in Inflammatory Bowel Disease and Irritable Bowel Syndrome: A Review. <i>Molecules</i> , <b>2021</b> , 26,	4.8	8
81	Dietary Assessment Methods to Estimate (Poly)phenol Intake in Epidemiological Studies: A Systematic Review. <i>Advances in Nutrition</i> , <b>2021</b> , 12, 1781-1801	10	6
80	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> , <b>2021</b> , 60, 4263-4278	5.2	2
79	Fruits and their impact on the gut microbiota, gut motility and constipation. <i>Food and Function</i> , <b>2021</b> , 12, 8850-8866	6.1	2
78	Polyphenols Could Prevent SARS-CoV-2 Infection by Modulating the Expression of miRNAs in the Host Cells <b>2021</b> , 12, 1169-1182		4
77	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. <i>Food Chemistry</i> , <b>2021</b> , 357, 129757	8.5	1
76	Kinetic profile and urinary excretion of phenyl-Valerolactones upon consumption of cranberry: a dose-response relationship. <i>Food and Function</i> , <b>2020</b> , 11, 3975-3985	6.1	8
75	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> , <b>2020</b> , 11, 5077-5090	6.1	11
74	Consumption of Stilbenes and Flavonoids is Linked to Reduced Risk of Obesity Independently of Fiber Intake. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	10
73	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> , <b>2020</b> , 59, 1329-1343	5.2	21
72	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79, 225-235	2.9	16

71	Alcoholic and Non-Alcoholic Beer Modulate Plasma and Macrophage microRNAs Differently in a Pilot Intervention in Humans with Cardiovascular Risk. <i>Nutrients</i> , <b>2020</b> , 13,	6.7	3
70	Bioavailability of naringenin chalcone in humans after ingestion of cherry tomatoes. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2020</b> , 90, 411-416	1.7	6
69	Systematic bioinformatic analysis of nutrigenomic data of flavanols in cell models of cardiometabolic disease. <i>Food and Function</i> , <b>2020</b> , 11, 5040-5064	6.1	10
68	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> , <b>2020</b> , 123, 273-292	3.6	7
67	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> , <b>2020</b> , 75, e27-e29	6.4	1
66	Microbiota Changes Due to Grape Seed Extract Diet Improved Intestinal Homeostasis and Decreased Fatness in Parental Broiler Hens. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	1
65	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> , <b>2020</b> , 11, 6807-6817	6.1	10
64	Comparative dietary sulfated metabolome analysis reveals unknown metabolic interactions of the gut microbiome and the human host. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 160, 745-754	7.8	7
63	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 1051-1068	7	35
62	Cocoa Flavanols Improve Endothelial Functional Integrity in Healthy Young and Elderly Subjects. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 1871-1876	5.7	5
61	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVE activities. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 37-47	5.2	27
60	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> , <b>2019</b> , 110, 316-329	7	48
59	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> , <b>2019</b> , 74, 984-995	6.4	25
58	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	17
57	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> , <b>2019</b> , 10, 536	4.5	8
56	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 65-73	5.2	6
55	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> , <b>2019</b> , 74, 967-976	6.4	60
54	Blueberries and cardiovascular disease prevention. <i>Food and Function</i> , <b>2019</b> , 10, 7621-7633	6.1	15

53	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> , <b>2019</b> , 62, 13-22	4	20
52	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> , <b>2018</b> , 470, 661-667	4.6	16
51	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> , <b>2018</b> , 19,	6.3	77
50	Pure Polyphenols Applications for Cardiac Health and Disease. <i>Current Pharmaceutical Design</i> , <b>2018</b> , 24, 2137-2156	3.3	8
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> , <b>2018</b> , 108, 1229-1237	7	31
48	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> , <b>2018</b> , 651, 43-51	4.1	37
47	Methylxanthines enhance the effects of cocoa flavanols on cardiovascular function: randomized, double-masked controlled studies. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 352-360	7	60
46	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> , <b>2017</b> , 9,	6.7	93
45	Interindividual Variability in Biomarkers of Cardiometabolic Health after Consumption of Major Plant-Food Bioactive Compounds and the Determinants Involved. <i>Advances in Nutrition</i> , <b>2017</b> , 8, 558-570 <sup>10</sup>		55
44	Identification of differentially methylated BRCA1 and CRISP2 DNA regions as blood surrogate markers for cardiovascular disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 5120	4.9	23
43	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> , <b>2017</b> , 61, 1600557	5.9	127
42	Absorption, Metabolism and Excretion of Cranberry (Poly)phenols in Humans: A Dose Response Study and Assessment of Inter-Individual Variability. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	58
41	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> , <b>2017</b> , 9, 746	6.7	39
40	Impact of Cranberries on Gut Microbiota and Cardiometabolic Health: Proceedings of the Cranberry Health Research Conference 2015. <i>Advances in Nutrition</i> , <b>2016</b> , 7, 759S-70S	10	42
39	Identification and quantification of novel cranberry-derived plasma and urinary (poly)phenols. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 599, 31-41	4.1	96
38	Bioavailability of wild blueberry (poly)phenols at different levels of intake. <i>Journal of Berry Research</i> , <b>2016</b> , 6, 137-148	2	31
37	Plasma and Urinary Phenolic Profiles after Acute and Repetitive Intake of Wild Blueberry. <i>Molecules</i> , <b>2016</b> , 21,	4.8	42
36	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> , <b>2016</b> , 60, 2130-2140	5.9	70

35	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> , <b>2016</b> , 1464, 21-31	4.5	50
34	Factors Affecting the Absorption, Metabolism, and Excretion of Cocoa Flavanols in Humans. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 7615-23	5.7	29
33	Flavonoid intake and cardiovascular disease risk. <i>Current Opinion in Food Science</i> , <b>2015</b> , 2, 92-99	9.8	25
32	Impact of cocoa flavanol intake on age-dependent vascular stiffness in healthy men: a randomized, controlled, double-masked trial. <i>Age</i> , <b>2015</b> , 37, 9794		79
31	Interactions between cocoa flavanols and inorganic nitrate: additive effects on endothelial function at achievable dietary amounts. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 80, 121-8	7.8	54
30	Central role of eNOS in the maintenance of endothelial homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 1230-42	8.4	97
29	The intracellular metabolism of isoflavones in endothelial cells. <i>Food and Function</i> , <b>2015</b> , 6, 98-108	6.1	6
28	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> , <b>2015</b> , 114, 1246-55	3.6	104
27	Influence of age on the absorption, metabolism, and excretion of cocoa flavanols in healthy subjects. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1504-12	5.9	42
26	Uptake and metabolism of (-)-epicatechin in endothelial cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 559, 17-23	4.1	27
25	A role for hippocampal PSA-NCAM and NMDA-NR2B receptor function in flavonoid-induced spatial memory improvements in young rats. <i>Neuropharmacology</i> , <b>2014</b> , 79, 335-44	5.5	27
24	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> , <b>2014</b> , 58, 1016-27	5.9	52
23	Berry (poly)phenols and cardiovascular health. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3842-51	5.7	130
22	Measurement of endothelium-dependent vasodilation in mice—brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2651-7	9.4	40
21	Impact of cooking, proving, and baking on the (poly)phenol content of wild blueberry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3979-86	5.7	34
20	Impact of processing on the bioavailability and vascular effects of blueberry (poly)phenols. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 1952-61	5.9	72
19	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1803-53	5.8	386
18	Early and late response-to-injury in patients undergoing transradial coronary angiography: arterial remodeling in smokers. <i>American Journal of Cardiovascular Disease</i> , <b>2014</b> , 4, 47-57	0.9	4

17	Impact of processing on the bioavailability and vascular effects of blueberry (poly)phenols (831.12). <i>FASEB Journal</i> , <b>2014</b> , 28, 831.12	0.9	
16	Dietary (poly)phenolics in human health: structures, bioavailability, and evidence of protective effects against chronic diseases. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 1818-92	8.4	1592
15	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> , <b>2013</b> , 98, 1179-91	7	232
14	Blueberry intervention improves vascular reactivity and lowers blood pressure in high-fat, high-cholesterol-fed rats. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 1746-54	3.6	38
13	Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , <b>2012</b> , 120, 4229-37	2.2	115
12	A multilevel analytical approach for detection and visualization of intracellular NO production and nitrosation events using diaminofluoresceins. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 2146-58	7.8	39
11	Procyanidin, anthocyanin, and chlorogenic acid contents of highbush and lowbush blueberries. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5772-8	5.7	104
10	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> , <b>2012</b> , 130, 493-500	8.5	21
9	Influence of sugar type on the bioavailability of cocoa flavanols. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 2243-50	3.6	27
8	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> , <b>2011</b> , 1, 209-216	2	15
7	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> , <b>2011</b> , 93, 62-72	7	364
6	Polyphenols and human health: prevention of disease and mechanisms of action. <i>Nutrients</i> , <b>2010</b> , 2, 1106-31	6.7	492
5	The citrus flavanone naringenin inhibits inflammatory signalling in glial cells and protects against neuroinflammatory injury. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 484, 100-9	4.1	162
4	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> , <b>2008</b> , 476, 145-51	4.1	78
3	Glial metabolism of quercetin reduces its neurotoxic potential. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 478, 195-200	4.1	21
2	The neuroprotective potential of flavonoids: a multiplicity of effects. <i>Genes and Nutrition</i> , <b>2008</b> , 3, 115-26	4.3	360
1	Formation of dityrosine cross-links during breadmaking. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 2761-6	5.7	25