Cristina Andres-Lacueva

List of Publications by Year
in descending order

238 papers	18,398 citations	8181 76 h-index	15732 125 g-index
248 all docs	248 docs citations	248 times ranked	21002 citing authors

#	Article	IF	Citations
1	Benefits of polyphenols on gut microbiota and implications in human health. Journal of Nutritional Biochemistry, 2013, 24, 1415-1422.	4.2	1,146
2	Relationship of Plasma Polyunsaturated Fatty Acids to Circulating Inflammatory Markers. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 439-446.	3.6	585
3	Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers. American Journal of Clinical Nutrition, 2012, 95, 1323-1334.	4.7	540
4	Insights into the metabolism and microbial biotransformation of dietary flavan-3-ols and the bioactivity of their metabolites. Food and Function, 2010, 1, 233.	4.6	515
5	Evaluation and comparison of bioinformatic tools for the enrichment analysis of metabolomics data. BMC Bioinformatics, 2018, 19, 1.	2.6	509
6	Anthocyanins in aged blueberry-fed rats are found centrally and may enhance memory. Nutritional Neuroscience, 2005, 8, 111-120.	3.1	482
7	The food metabolome: a window over dietary exposure. American Journal of Clinical Nutrition, 2014, 99, 1286-1308.	4.7	411
8	Liquid chromatographic/electrospray ionization tandem mass spectrometric study of the phenolic composition of cocoa (Theobroma cacao). Journal of Mass Spectrometry, 2003, 38, 35-42.	1.6	396
9	Polyphenols and Human Health: A Prospectus. Critical Reviews in Food Science and Nutrition, 2011, 51, 524-546.	10.3	286
10	Red wine polyphenols modulate fecal microbiota and reduce markers of the metabolic syndrome in obese patients. Food and Function, 2016, 7, 1775-1787.	4.6	262
11	Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. ISME Journal, 2018, 12, 1642-1657.	9.8	260
12	Systematic Review on Polyphenol Intake and Health Outcomes: Is there Sufficient Evidence to Define a Health-Promoting Polyphenol-Rich Dietary Pattern?. Nutrients, 2019, 11, 1355.	4.1	235
13	Method for the Quantitative Extraction of Resveratrol and Piceid Isomers in Grape Berry Skins. Effect of Powdery Mildew on the Stilbene Content. Journal of Agricultural and Food Chemistry, 2001, 49, 210-215.	5.2	202
14	Epicatechin, procyanidins, and phenolic microbial metabolites after cocoa intake in humans and rats. Analytical and Bioanalytical Chemistry, 2009, 394, 1545-1556.	3.7	192
15	Virgin olive oil and nuts as key foods of the Mediterranean diet effects on inflammatory biomarkers related to atherosclerosis. Pharmacological Research, 2012, 65, 577-583.	7.1	190
16	Effect of cocoa powder on the modulation of inflammatory biomarkers in patients at high risk of cardiovascular disease. American Journal of Clinical Nutrition, 2009, 90, 1144-1150.	4.7	183
17	Databases on Food Phytochemicals and Their Health-Promoting Effects. Journal of Agricultural and Food Chemistry, 2011, 59, 4331-4348.	5.2	183
18	Effects of red wine polyphenols and alcohol on glucose metabolism and the lipid profile: A randomized clinical trial. Clinical Nutrition, 2013, 32, 200-206.	5.0	178

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19	Estimation of Dietary Sources and Flavonoid Intake in a Spanish Adult Population (EPIC-Spain). Journal of the American Dietetic Association, 2010, 110, 390-398.	1.1	176
20	Flavanol and Flavonol Contents of Cocoa Powder Products: Influence of the Manufacturing Process. Journal of Agricultural and Food Chemistry, 2008, 56, 3111-3117.	5.2	174
21	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. Molecular Nutrition and Food Research, 2019, 63, e1800384.	3.3	173
22	Nutrition for the ageing brain: Towards evidence for an optimal diet. Ageing Research Reviews, 2017, 35, 222-240.	10.9	161
23	Targeted metabolic profiling of phenolics in urine and plasma after regular consumption of cocoa by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2009, 1216, 7258-7267.	3.7	160
24	Polyphenols and Health: Current State and Progress. Journal of Agricultural and Food Chemistry, 2012, 60, 8773-8775.	5.2	159
25	Rapid Folinâ€“Ciocalteu method using microtiter 96-well plate cartridges for solid phase extraction to assess urinary total phenolic compounds, as a biomarker of total polyphenols intake. Analytica Chimica Acta, 2009, 634, 54-60.	5.4	158
26	Differential effects of polyphenols and alcohol of red wine on the expression of adhesion molecules and inflammatory cytokines related to atherosclerosis: a randomized clinical trial. American Journal of Clinical Nutrition, 2012, 95, 326-334.	4.7	157
27	Validation of biomarkers of food intakeâ€”critical assessment of candidate biomarkers. Genes and Nutrition, 2018, 13, 14.	2.5	152
28	Improved characterization of tomato polyphenols using liquid chromatography/electrospray ionization linear ion trap quadrupole Orbitrap mass spectrometry and liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2986-2992.	1.5	151
29	Pharmacokinetics of resveratrol metabolic profile in healthy humans after moderate consumption of red wine and grape extract tablets. Pharmacological Research, 2012, 66, 375-382.	7.1	145
30	Resveratrol Levels and All-Cause Mortality in Older Community-Dwelling Adults. JAMA Internal Medicine, 2014, 174, 1077.	5.1	143
31	An LC-MS-Based Metabolomics Approach for Exploring Urinary Metabolome Modifications after Cocoa Consumption. Journal of Proteome Research, 2009, 8, 5060-5068.	3.7	139
32	Concentrations of resveratrol and derivatives in foods and estimation of dietary intake in a Spanish population: European Prospective Investigation into Cancer and Nutrition (EPIC)-Spain cohort. British Journal of Nutrition, 2008, 100, 188-196.	2.3	137
33	Review: Health Effects of Cocoa Flavonoids. Food Science and Technology International, 2005, 11, 159-176.	2.2	136
34	Phenol-Explorer 2.0: a major update of the Phenol-Explorer database integrating data on polyphenol metabolism and pharmacokinetics in humans and experimental animals. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas031-bas031.	3.0	135
35	Liquid Chromatography with Mass Spectrometry in Tandem Mode Applied for the Identification of Wine Markers in Residues from Ancient Egyptian Vessels. Analytical Chemistry, 2004, 76, 1672-1677.	6.5	132
36	Dihydroxylated phenolic acids derived from microbial metabolism reduce lipopolysaccharide-stimulated cytokine secretion by human peripheral blood mononuclear cells. British Journal of Nutrition, 2009, 102, 201-206.	2.3	132

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37	Uptake of Diet Resveratrol into the Human Low-Density Lipoprotein. Identification and Quantification of Resveratrol Metabolites by Liquid Chromatography Coupled with Tandem Mass Spectrometry. Analytical Chemistry, 2005, 77, 3149-3155.	6.5	129
38	Effect of Soil Type on Wines Produced fromVitisviniferaL. Cv. Grenache in Commercial Vineyards. Journal of Agricultural and Food Chemistry, 2007, 55, 779-786.	5.2	126
39	Phenolics in White Free Run Juices and Wines from PenedÃ¨s by High-Performance Liquid Chromatography:Â Changes during Vinification. Journal of Agricultural and Food Chemistry, 1996, 44, 3040-3046.	5.2	124
40	Comparative Analysis of Sample Preparation Methods To Handle the Complexity of the Blood Fluid Metabolome: When Less Is More. Analytical Chemistry, 2013, 85, 341-348.	6.5	120
41	Dealcoholized Red Wine Decreases Systolic and Diastolic Blood Pressure and Increases Plasma Nitric Oxide. Circulation Research, 2012, 111, 1065-1068.	4.5	117
42	High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial. Food and Function, 2014, 5, 1932-1938.	4.6	116
43	The pleiotropic neuroprotective effects of resveratrol in cognitive decline and Alzheimerâ€™s disease pathology: From antioxidant to epigenetic therapy. Ageing Research Reviews, 2021, 67, 101271.	10.9	115
44	Moderate consumption of red wine, but not gin, decreases erythrocyte superoxide dismutase activity: A randomised cross-over trialâ˜†. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 46-53.	2.6	114
45	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.	4.1	111
46	The gut microbiota metabolism of pomegranate or walnut ellagitannins yields two urolithin-metabotypes that correlate with cardiometabolic risk biomarkers: Comparison between normoweight, overweight-obesity and metabolic syndrome. Clinical Nutrition, 2018, 37, 897-905.	5.0	111
47	Endotoxin increase after fat overload is related to postprandial hypertriglyceridemia in morbidly obese patients. Journal of Lipid Research, 2012, 53, 973-978.	4.2	110
48	Metabolomic insights into the intricate gut microbialâ€“host interaction in the development of obesity and type 2 diabetes. Frontiers in Microbiology, 2015, 6, 1151.	3.5	108
49	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.	4.1	108
50	Milk Does Not Affect the Bioavailability of Cocoa Powder Flavonoid in Healthy Human. Annals of Nutrition and Metabolism, 2007, 51, 493-498.	1.9	103
51	Metabolomics Study of Human Urinary Metabolome Modifications After Intake of Almond (<i>Prunus) Tj ETQq1 1 0.784314 rgBT /Ove	3.7	103
52	Changes in white adipose tissue metabolism induced by resveratrol in rats. Nutrition and Metabolism, 2011, 8, 29.	3.0	103
53	Cocoa Polyphenols and Inflammatory Markers of Cardiovascular Disease. Nutrients, 2014, 6, 844-880.	4.1	102
54	Metabolomic Pattern Analysis after Mediterranean Diet Intervention in a Nondiabetic Population: A 1- and 3-Year Follow-up in the PREDIMED Study. Journal of Proteome Research, 2015, 14, 531-540.	3.7	101

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55	Polyphenols and Intestinal Permeability: Rationale and Future Perspectives. Journal of Agricultural and Food Chemistry, 2020, 68, 1816-1829.	5.2	101
56	Determination of flavonoids in a Citrus fruit extract by LCâ€“DAD and LCâ€“MS. Food Chemistry, 2007, 101, 1742-1747.	8.2	99
57	Metabolomics Unveils Urinary Changes in Subjects with Metabolic Syndrome following 12-Week Nut Consumption. Journal of Proteome Research, 2011, 10, 5047-5058.	3.7	99
58	Phenolic Profile and Hydrophilic Antioxidant Capacity as Chemotaxonomic Markers of Tomato Varieties. Journal of Agricultural and Food Chemistry, 2011, 59, 3994-4001.	5.2	97
59	Regular consumption of cocoa powder with milk increases HDL cholesterol and reduces oxidized LDL levels in subjects at high-risk of cardiovascular disease. Nutrition, Metabolism and Cardiovascular Diseases, 2012, 22, 1046-1053.	2.6	97
60	Low Plasma N-3 Fatty Acids and Dementia in Older Persons: The InCHIANTI Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 1120-1126.	3.6	94
61	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. Proceedings of the Nutrition Society, 2017, 76, 619-627.	1.0	93
62	HPLCâ€“Tandem Mass Spectrometric Method to Characterize Resveratrol Metabolism in Humans. Clinical Chemistry, 2007, 53, 292-299.	3.2	92
63	Resveratrol metabolites in urine as a biomarker of wine intake in free-living subjects: The PREDIMED Study. Free Radical Biology and Medicine, 2009, 46, 1562-1566.	2.9	90
64	Screening of the polyphenol content of tomato-based products through accurate-mass spectrometry (HPLCâ€“ESI-QTOF). Food Chemistry, 2011, 129, 877-883.	8.2	90
65	Mediterranean diet and non enzymatic antioxidant capacity in the PREDIMED study: Evidence for a mechanism of antioxidant tuning. Nutrition, Metabolism and Cardiovascular Diseases, 2013, 23, 1167-1174.	2.6	90
66	The Mediterranean Diet Pattern and Its Main Components Are Associated with Lower Plasma Concentrations of Tumor Necrosis Factor Receptor 60 in Patients at High Risk for Cardiovascular Disease. Journal of Nutrition, 2012, 142, 1019-1025.	2.9	86
67	Delipidating effect of resveratrol metabolites in 3<scp>T</scp>3â€<scp>L</scp>1 adipocytes. Molecular Nutrition and Food Research, 2012, 56, 1559-1568.	3.3	86
68	Determination of riboflavin, flavin mononucleotide and flavinâ€“adenine dinucleotide in wine and other beverages by high-performance liquid chromatography with fluorescence detection. Journal of Chromatography A, 1998, 823, 355-363.	3.7	84
69	Vitamin E levels, cognitive impairment and dementia in older persons: the InCHIANTI study. Neurobiology of Aging, 2005, 26, 987-994.	3.1	84
70	The effects of milk as a food matrix for polyphenols on the excretion profile of cocoa (Ââ˜†Â)-epicatechin metabolites in healthy human subjects. British Journal of Nutrition, 2008, 100, 846-851.	2.3	84
71	Profile of Plasma and Urine Metabolites after the Intake of Almond [Prunus dulcis (Mill.) D.A. Webb] Polyphenols in Humans. Journal of Agricultural and Food Chemistry, 2009, 57, 10134-10142.	5.2	84
72	Nutrimetabolomic Strategies To Develop New Biomarkers of Intake and Health Effects. Journal of Agricultural and Food Chemistry, 2012, 60, 8797-8808.	5.2	84

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73	Total Polyphenol Intake Estimated by a Modified Folinâ€“Ciocalteu Assay of Urine. Clinical Chemistry, 2006, 52, 749-752.	3.2	83
74	Rapid Liquid Chromatography Tandem Mass Spectrometry Assay To Quantify Plasma (â^')-Epicatechin Metabolites after Ingestion of a Standard Portion of Cocoa Beverage in Humans. Journal of Agricultural and Food Chemistry, 2005, 53, 6190-6194.	5.2	80
75	Distribution of Resveratrol Metabolites in Liver, Adipose Tissue, and Skeletal Muscle in Rats Fed Different Doses of This Polyphenol. Journal of Agricultural and Food Chemistry, 2012, 60, 4833-4840.	5.2	80
76	Diagnostic Performance of Urinary Resveratrol Metabolites as a Biomarker of Moderate Wine Consumption. Clinical Chemistry, 2006, 52, 1373-1380.	3.2	79
77	High Concentrations of a Urinary Biomarker of Polyphenol Intake Are Associated with Decreased Mortality in Older Adults. Journal of Nutrition, 2013, 143, 1445-1450.	2.9	76
78	A scheme for a flexible classification of dietary and health biomarkers. Genes and Nutrition, 2017, 12, 34.	2.5	76
79	Inflammatory Markers of Atherosclerosis Are Decreased after Moderate Consumption of Cava (Sparkling Wine) in Men with Low Cardiovascular Risk ,. Journal of Nutrition, 2007, 137, 2279-2284.	2.9	75
80	Cocoa-Enriched Diet Enhances Antioxidant Enzyme Activity and Modulates Lymphocyte Composition in Thymus from Young Rats. Journal of Agricultural and Food Chemistry, 2007, 55, 6431-6438.	5.2	72
81	Ω-3 Polyunsaturated Fatty Acids and Immune-Mediated Diseases: Inflammatory Bowel Disease and Rheumatoid Arthritis. Current Pharmaceutical Design, 2009, 15, 4135-4148.	1.9	72
82	Matrix effects on the bioavailability of resveratrol in humans. Food Chemistry, 2010, 120, 1123-1130.	8.2	71
83	Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations. American Journal of Clinical Nutrition, 2013, 97, 1053-1061.	4.7	71
84	Biomarkers of Morbid Obesity and Prediabetes by Metabolomic Profiling of Human Discordant Phenotypes. Clinica Chimica Acta, 2016, 463, 53-61.	1.1	71
85	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.	2.5	71
86	Influence of Variety and Aging on Foaming Properties of Cava (Sparkling Wine). 2. Journal of Agricultural and Food Chemistry, 1997, 45, 2520-2525.	5.2	69
87	First evidence of white wine in ancient Egypt from Tutankhamun's tomb. Journal of Archaeological Science, 2006, 33, 1075-1080.	2.4	69
88	Total polyphenol excretion and blood pressure in subjects at high cardiovascular risk. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 323-331.	2.6	68
89	Changes in phenolic profile and antioxidant activity during production of diced tomatoes. Food Chemistry, 2011, 126, 1700-1707.	8.2	68
90	Comparative Study of Microbial-Derived Phenolic Metabolites in Human Feces after Intake of Gin, Red Wine, and Dealcoholized Red Wine. Journal of Agricultural and Food Chemistry, 2013, 61, 3909-3915.	5.2	67

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91	Systematic analysis of the polyphenol metabolome using the Phenolâ€Explorer database. Molecular Nutrition and Food Research, 2016, 60, 203-211.	3.3	67
92	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. American Journal of Clinical Nutrition, 2020, 112, 1051-1068.	4.7	65
93	Comparison of 24-h volume and creatinine-corrected total urinary polyphenol as a biomarker of total dietary polyphenols in the Invecchiare InCHIANTI study. Analytica Chimica Acta, 2011, 704, 110-115.	5.4	63
94	Characteristics of Sparkling Base Wines Affecting Foam Behavior. Journal of Agricultural and Food Chemistry, 1996, 44, 989-995.	5.2	62
95	An R package to analyse LC/MS metabolomic data: MAIT (Metabolite Automatic Identification Toolkit). Bioinformatics, 2014, 30, 1937-1939.	4.1	62
96	Urolithins Are the Main Urinary Microbial-Derived Phenolic Metabolites Discriminating a Moderate Consumption of Nuts in Free-Living Subjects with Diagnosed Metabolic Syndrome. Journal of Agricultural and Food Chemistry, 2012, 60, 8930-8940.	5.2	61
97	Cocoa consumption reduces NF-Î²B activation in peripheral blood mononuclear cells in humans. Nutrition, Metabolism and Cardiovascular Diseases, 2013, 23, 257-263.	2.6	60
98	High-performance liquid chromatographic determination of the riboflavin concentration in white wines for predicting their resistance to light. Journal of Chromatography A, 2000, 888, 121-127.	3.7	59
99	Effect of Milk on the Urinary Excretion of Microbial Phenolic Acids after Cocoa Powder Consumption in Humans. Journal of Agricultural and Food Chemistry, 2010, 58, 4706-4711.	5.2	59
100	A polyphenol-rich dietary pattern improves intestinal permeability, evaluated as serum zonulin levels, in older subjects: The MaPLE randomised controlled trial. Clinical Nutrition, 2021, 40, 3006-3018.	5.0	59
101	Non-targeted metabolomic biomarkers and metabotypes of type 2 diabetes: A cross-sectional study of PREDIMED trial participants. Diabetes and Metabolism, 2019, 45, 167-174.	2.9	58
102	High urinary levels of resveratrol metabolites are associated with a reduction in the prevalence of cardiovascular risk factors in high-risk patients. Pharmacological Research, 2012, 65, 615-620.	7.1	57
103	¹Hâ€NMRâ€based metabolomic analysis of the effect of moderate wine consumption on subjects with cardiovascular risk factors. Electrophoresis, 2012, 33, 2345-2354.	2.4	56
104	Intensity drift removal in LC/MS metabolomics by common variance compensation. Bioinformatics, 2014, 30, 2899-2905.	4.1	56
105	Dietary Antioxidants as Potential Pharmacological Agents for Ischemic Stroke. Current Medicinal Chemistry, 2008, 15, 1236-1248.	2.4	55
106	Effect of Theobroma cacao flavonoids on immune activation of a lymphoid cell line. British Journal of Nutrition, 2005, 93, 859-866.	2.3	54
107	Characterization of the Human Exposome by a Comprehensive and Quantitative Large-Scale Multianalyte Metabolomics Platform. Analytical Chemistry, 2020, 92, 13767-13775.	6.5	54
108	Determination of resveratrol and piceid in beer matrices by solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2011, 1218, 698-705.	3.7	53

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109	Low Levels of a Urinary Biomarker of Dietary Polyphenol Are Associated with Substantial Cognitive Decline over a 3â€Year Period in Older Adults: The Invecchiare in Chianti Study. Journal of the American Geriatrics Society, 2015, 63, 938-946.	2.6	53
110	Clinical phenotype clustering in cardiovascular risk patients for the identification of responsive metabotypes after red wine polyphenol intake. Journal of Nutritional Biochemistry, 2016, 28, 114-120.	4.2	53
111	A New LC/MS/MS Rapid and Sensitive Method for the Determination of Green Tea Catechins and their Metabolites in Biological Samples. Journal of Agricultural and Food Chemistry, 2007, 55, 8857-8863.	5.2	52
112	Methodological aspects for metabolome visualization and characterization. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 373-381.	2.8	52
113	Biomarkers of intake for coffee, tea, and sweetened beverages. Genes and Nutrition, 2018, 13, 15.	2.5	51
114	The origin of the ancient Egyptian drink Shedeh revealed using LC/MS/MS. Journal of Archaeological Science, 2006, 33, 98-101.	2.4	50
115	Gut and microbial resveratrol metabolite profiling after moderate long-term consumption of red wine versus dealcoholized red wine in humans by an optimized ultra-high-pressure liquid chromatography tandem mass spectrometry method. Journal of Chromatography A, 2012, 1265, 105-113.	3.7	50
116	Oil matrix effects on plasma exposure and urinary excretion of phenolic compounds from tomato sauces: Evidence from a human pilot study. Food Chemistry, 2012, 130, 581-590.	8.2	49
117	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.	3.7	47
118	Biomarkers of food intake for nuts and vegetable oils: an extensive literature search. Genes and Nutrition, 2019, 14, 7.	2.5	47
119	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.	5.2	47
120	Influence of Variety and Aging on Foaming Properties of Sparkling Wine (Cava). 1. Journal of Agricultural and Food Chemistry, 1996, 44, 3826-3829.	5.2	46
121	Perspective: Metabotypingâ€"A Potential Personalized Nutrition Strategy for Precision Prevention of Cardiometabolic Disease. Advances in Nutrition, 2020, 11, 524-532.	6.4	46
122	Almond (Prunus dulcis (Mill.) D.A. Webb) polyphenols: From chemical characterization to targeted analysis of phenolic metabolites in humans. Archives of Biochemistry and Biophysics, 2010, 501, 124-133.	3.0	45
123	Metabolomicsâ€guided insights on bariatric surgery versus behavioral interventions for weight loss. Obesity, 2016, 24, 2451-2466.	3.0	45
124	Microbial Metabolomic Fingerprinting in Urine after Regular Dealcoholized Red Wine Consumption in Humans. Journal of Agricultural and Food Chemistry, 2013, 61, 9166-9175.	5.2	44
125	Metabolomic fingerprint in patients at high risk of cardiovascular disease by cocoa intervention. Molecular Nutrition and Food Research, 2013, 57, 962-973.	3.3	44
126	Plasma metabolomic biomarkers of mixed nuts exposure inversely correlate with severity of metabolic syndrome. Molecular Nutrition and Food Research, 2015, 59, 2480-2490.	3.3	44

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127	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.	3.3	44
128	Effects of fruits and vegetables on levels of vitamins E and C in the brain and their association with cognitive performance. Journal of Nutrition, Health and Aging, 2002, 6, 392-404.	3.3	44
129	Absorption and pharmacokinetics of grapefruit flavanones in beagles. British Journal of Nutrition, 2007, 98, 86-92.	2.3	43
130	Markers of inflammation, Vitamin E and peripheral nervous system function. Neurobiology of Aging, 2006, 27, 1280-1288.	3.1	41
131	Effect of tomato industrial processing on phenolic profile and hydrophilic antioxidant capacity. LWT - Food Science and Technology, 2012, 47, 154-160.	5.2	41
132	Application of Dietary Phenolic Biomarkers in Epidemiology: Past, Present, and Future. Journal of Agricultural and Food Chemistry, 2012, 60, 6648-6657.	5.2	40
133	Biomarker of food intake for assessing the consumption of dairy and egg products. Genes and Nutrition, 2018, 13, 26.	2.5	40
134	Dietâ€Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. Molecular Nutrition and Food Research, 2019, 63, e1900177.	3.3	40
135	New and Vintage Solutions To Enhance the Plasma Metabolome Coverage by LC-ESI-MS Untargeted Metabolomics: The Not-So-Simple Process of Method Performance Evaluation. Analytical Chemistry, 2015, 87, 2639-2647.	6.5	39
136	Effect of a polyphenol-rich dietary pattern on intestinal permeability and gut and blood microbiomics in older subjects: study protocol of the MaPLE randomised controlled trial. BMC Geriatrics, 2020, 20, 77.	2.7	39
137	Spanish Sparkling Wines (Cavas) As Inhibitors of in Vitro Human Low-Density Lipoprotein Oxidation. Journal of Agricultural and Food Chemistry, 1999, 47, 2198-2202.	5.2	38
138	Association of habitual dietary resveratrol exposure with the development of frailty in older age: the Invecchiare in Chianti study. American Journal of Clinical Nutrition, 2015, 102, 1534-1542.	4.7	38
139	Comparative metabolite fingerprinting of legumes using LC-MS-based untargeted metabolomics. Food Research International, 2019, 126, 108666.	6.2	38
140	Nutrimetabolomics fingerprinting to identify biomarkers of bread exposure in a free-living population from the PREDIMED study cohort. Metabolomics, 2015, 11, 155-165.	3.0	37
141	Urinary metabolomic fingerprinting after consumption of a probiotic strain in women with mastitis. Pharmacological Research, 2014, 87, 160-165.	7.1	35
142	Biomarkers of legume intake in human intervention and observational studies: a systematic review. Genes and Nutrition, 2018, 13, 25.	2.5	34
143	Quantitative Dietary Fingerprinting (QDF)â€”A Novel Tool for Comprehensive Dietary Assessment Based on Urinary Nutrimetabolomics. Journal of Agricultural and Food Chemistry, 2020, 68, 1851-1861.	5.2	34
144	More Antioxidants in Cocoa. Journal of Nutrition, 2001, 131, 834-834.	2.9	33

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145	The Relationship Between Urinary Total Polyphenols and the Frailty Phenotype in a Community-Dwelling Older Population: The InCHIANTI Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1141-1147.	3.6	33
146	Distribution of epicatechin metabolites in lymphoid tissues and testes of young rats with a cocoa-enriched diet. British Journal of Nutrition, 2010, 103, 1393-1397.	2.3	32
147	Human hydroxytyrosol's absorption and excretion from a nutraceutical. Journal of Functional Foods, 2016, 23, 278-282.	3.4	32
148	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.	15.1	32
149	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.	4.2	32
150	Increased Intestinal Permeability in Older Subjects Impacts the Beneficial Effects of Dietary Polyphenols by Modulating Their Bioavailability. Journal of Agricultural and Food Chemistry, 2020, 68, 12476-12484.	5.2	32
151	Crosstalk among intestinal barrier, gut microbiota and serum metabolome after a polyphenol-rich diet in older subjects with â€œleaky gutâ€• The MaPLE trial. Clinical Nutrition, 2021, 40, 5288-5297.	5.0	31
152	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline. Alzheimer's Research and Therapy, 2022, 14, 1.	6.2	31
153	Effects of Dietary Fibers on Short-Chain Fatty Acids and Gut Microbiota Composition in Healthy Adults: A Systematic Review. Nutrients, 2022, 14, 2559.	4.1	31
154	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.	3.3	30
155	Quantifying the human diet in the crosstalk between nutrition and health by multi-targeted metabolomics of food and microbiota-derived metabolites. International Journal of Obesity, 2020, 44, 2372-2381.	3.4	30
156	Human urine: Epicatechin metabolites and antioxidant activity after cocoa beverage intake. Free Radical Research, 2007, 41, 943-949.	3.3	29
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