

Rocio Garcia Villalba

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78
papers

3,924
citations

39
h-index

62
g-index

81
ext. papers

4,724
ext. citations

4.7
avg, IF

5.45
L-index

#	Paper	IF	Citations
78	Urolithins, the rescue of "old" metabolites to understand a "new" concept: Metabotypes as a nexus among phenolic metabolism, microbiota dysbiosis, and host health status. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1500901	5.9	221
77	Ellagic acid metabolism by human gut microbiota: consistent observation of three urolithin phenotypes in intervention trials, independent of food source, age, and health status. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6535-8	5.7	218
76	Alternative method for gas chromatography-mass spectrometry analysis of short-chain fatty acids in faecal samples. <i>Journal of Separation Science</i> , 2012 , 35, 1906-13	3.4	156
75	Description of urolithin production capacity from ellagic acid of two human intestinal <i>Gordonibacter</i> species. <i>Food and Function</i> , 2014 , 5, 1779-84	6.1	152
74	Targeted metabolic profiling of pomegranate polyphenols and urolithins in plasma, urine and colon tissues from colorectal cancer patients. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1199-211	5.9	149
73	Olive oil's bitter principle reverses acquired autoresistance to trastuzumab (Herceptin) in HER2-overexpressing breast cancer cells. <i>BMC Cancer</i> , 2007 , 7, 80	4.8	132
72	Characterization and quantification of phenolic compounds of extra-virgin olive oils with anticancer properties by a rapid and resolutive LC-ESI-TOF MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 416-29	3.5	119
71	Clustering according to urolithin metabotype explains the interindividual variability in the improvement of cardiovascular risk biomarkers in overweight-obese individuals consuming pomegranate: A randomized clinical trial. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600830	5.9	114
70	Time course production of urolithins from ellagic acid by human gut microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8797-806	5.7	109
69	Comparative metabolomic study of transgenic versus conventional soybean using capillary electrophoresis-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1195, 164-73	4.5	109
68	In vitro transformation of chlorogenic acid by human gut microbiota. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1122-31	5.9	107
67	Isolation of Human Intestinal Bacteria Capable of Producing the Bioactive Metabolite Isourolithin A from Ellagic Acid. <i>Frontiers in Microbiology</i> , 2017 , 8, 1521	5.7	92
66	Identifying the limits for ellagic acid bioavailability: A crossover pharmacokinetic study in healthy volunteers after consumption of pomegranate extracts. <i>Journal of Functional Foods</i> , 2015 , 19, 225-235	5.1	91
65	Anti-HER2 (erbB-2) oncogene effects of phenolic compounds directly isolated from commercial Extra-Virgin Olive Oil (EVOO). <i>BMC Cancer</i> , 2008 , 8, 377	4.8	88
64	<i>Gordonibacter urolithinifaciens</i> sp. nov., a urolithin-producing bacterium isolated from the human gut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 2346-2352	2.2	84
63	Validated Method for the Characterization and Quantification of Extractable and Nonextractable Ellagitannins after Acid Hydrolysis in Pomegranate Fruits, Juices, and Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 6555-66	5.7	82
62	Chromatographic and spectroscopic characterization of urolithins for their determination in biological samples after the intake of foods containing ellagitannins and ellagic acid. <i>Journal of Chromatography A</i> , 2016 , 1428, 162-75	4.5	77

61	Exploratory analysis of human urine by LC-ESI-TOF MS after high intake of olive oil: understanding the metabolism of polyphenols. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 463-75	4.4	76
60	The human gut microbial ecology associated with overweight and obesity determines ellagic acid metabolism. <i>Food and Function</i> , 2016 , 7, 1769-74	6.1	67
59	Dietary phenolics against colorectal cancer--From promising preclinical results to poor translation into clinical trials: Pitfalls and future needs. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1274-91	5.9	65
58	The gut microbiota urolithin metabolites revisited: the human metabolism of ellagic acid is mainly determined by aging. <i>Food and Function</i> , 2018 , 9, 4100-4106	6.1	63
57	Gas chromatography-atmospheric pressure chemical ionization-time of flight mass spectrometry for profiling of phenolic compounds in extra virgin olive oil. <i>Journal of Chromatography A</i> , 2011 , 1218, 959-71	4.5	63
56	Interindividual variability in the human metabolism of ellagic acid: Contribution of Gordonibacter to urolithin production. <i>Journal of Functional Foods</i> , 2015 , 17, 785-791	5.1	62
55	Bioavailability of the major bioactive diterpenoids in a rosemary extract: metabolic profile in the intestine, liver, plasma, and brain of Zucker rats. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1834-46	5.9	62
54	Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabolites in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5480-5493	5.7	61
53	The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800160	5.9	61
52	Inhibition of gastric lipase as a mechanism for body weight and plasma lipids reduction in Zucker rats fed a rosemary extract rich in carnosic acid. <i>PLoS ONE</i> , 2012 , 7, e39773	3.7	61
51	Urolithins are the main urinary microbial-derived phenolic metabolites discriminating a moderate consumption of nuts in free-living subjects with diagnosed metabolic syndrome. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 8930-40	5.7	58
50	Gene expression changes in colon tissues from colorectal cancer patients following the intake of an ellagitannin-containing pomegranate extract: a randomized clinical trial. <i>Journal of Nutritional Biochemistry</i> , 2017 , 42, 126-133	6.3	56
49	Comparing two metabolic profiling approaches (liquid chromatography and gas chromatography coupled to mass spectrometry) for extra-virgin olive oil phenolic compounds analysis: A botanical classification perspective. <i>Journal of Chromatography A</i> , 2016 , 1428, 267-79	4.5	53
48	Bioavailability of phenolics from an oleuropein-rich olive (<i>Olea europaea</i>) leaf extract and its acute effect on plasma antioxidant status: comparison between pre- and postmenopausal women. <i>European Journal of Nutrition</i> , 2014 , 53, 1015-27	5.2	53
47	Polyphenolic characterisation of old local apple varieties from Southeastern European region. <i>Journal of Food Composition and Analysis</i> , 2013 , 31, 199-211	4.1	51
46	Fir honeydew honey flavonoids inhibit TNF- α -induced MMP-9 expression in human keratinocytes: a new action of honey in wound healing. <i>Archives of Dermatological Research</i> , 2013 , 305, 619-27	3.3	49
45	Untargeted metabolomics approach using UPLC-ESI-QTOF-MS to explore the metabolome of fresh-cut iceberg lettuce. <i>Metabolomics</i> , 2016 , 12, 1	4.7	49
44	In vivo relevant mixed urolithins and ellagic acid inhibit phenotypic and molecular colon cancer stem cell features: A new potentiality for ellagitannin metabolites against cancer. <i>Food and Chemical Toxicology</i> , 2016 , 92, 8-16	4.7	48

43	A rosemary extract rich in carnosic acid selectively modulates caecum microbiota and inhibits α -glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats. <i>PLoS ONE</i> , 2014 , 9, e94687	3.7	46
42	Antiproliferative activity of the ellagic acid-derived gut microbiota isourolithin A and comparison with its urolithin A isomer: the role of cell metabolism. <i>European Journal of Nutrition</i> , 2017 , 56, 831-841	5.2	44
41	Metabolic Profiling of Dietary Polyphenols and Methylxanthines in Normal and Malignant Mammary Tissues from Breast Cancer Patients. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e180123	5.9	43
40	Development, validation and evaluation of an analytical method for the determination of monomeric and oligomeric procyanidins in apple extracts. <i>Journal of Chromatography A</i> , 2017 , 1495, 46-56	4.5	39
39	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
38	Detection of novel metabolites of flaxseed lignans in vitro and in vivo. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 1590-601	5.9	36
37	Circulating levels of butyrate are inversely related to portal hypertension, endotoxemia, and systemic inflammation in patients with cirrhosis. <i>FASEB Journal</i> , 2019 , 33, 11595-11605	0.9	32
36	Nano and rapid resolution liquid chromatography-electrospray ionization-time of flight mass spectrometry to identify and quantify phenolic compounds in olive oil. <i>Journal of Separation Science</i> , 2010 , 33, 2069-78	3.4	30
35	Comprehensive characterization by LC-DAD-MS/MS of the phenolic composition of seven Quercus leaf teas. <i>Journal of Food Composition and Analysis</i> , 2017 , 63, 38-46	4.1	29
34	A 2-D-HPLC-CE platform coupled to ESI-TOF-MS to characterize the phenolic fraction in olive oil. <i>Electrophoresis</i> , 2009 , 30, 2688-701	3.6	29
33	LC-MS Untargeted Metabolomics To Explain the Signal Metabolites Inducing Browning in Fresh-Cut Lettuce. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 4526-4535	5.7	28
32	Identification of Novel Urolithin Metabolites in Human Feces and Urine after the Intake of a Pomegranate Extract. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11099-11107	5.7	27
31	Uptake and metabolism of olive oil polyphenols in human breast cancer cells using nano-liquid chromatography coupled to electrospray ionization-time of flight-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 898, 69-77	3.2	26
30	Analysis of hop acids and their oxidized derivatives and iso-alpha-acids in beer by capillary electrophoresis-electrospray ionization mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 5400-9	5.7	26
29	Metabolism of oak leaf ellagitannins and urolithin production in beef cattle. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3068-77	5.7	23
28	Evaluation of the distribution and metabolism of polyphenols derived from cupuassu (<i>Theobroma grandiflorum</i>) in mice gastrointestinal tract by UPLC-ESI-QTOF. <i>Journal of Functional Foods</i> , 2016 , 22, 477-489	5.1	22
27	Breakthroughs in the Health Effects of Plant Food Bioactives: A Perspective on Microbiomics, Nutri(epi)genomics, and Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10686-10692	5.7	22
26	The Human Metabolism of Nuts Proanthocyanidins does not Reveal Urinary Metabolites Consistent with Distinctive Gut Microbiota Metabotypes. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800819	5.9	20

25	Pomegranate Fruit and Juice (cv. Mollar), Rich in Ellagitannins and Anthocyanins, Also Provide a Significant Content of a Wide Range of Proanthocyanidins. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9160-9167	5.7	19
24	Role of ABCG2 in transport of the mammalian lignan enterolactone and its secretion into milk in Abcg2 knockout mice. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 943-6	4	19
23	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. <i>Metabolites</i> , 2018 , 8,	5.6	17
22	Vasorelaxant activity of twenty-one physiologically relevant (poly)phenolic metabolites on isolated mouse arteries. <i>Food and Function</i> , 2017 , 8, 4331-4335	6.1	17
21	Effect of bovine ABCG2 polymorphism Y581S SNP on secretion into milk of enterolactone, riboflavin and uric acid. <i>Animal</i> , 2016 , 10, 238-47	3.1	15
20	Targeted and Untargeted Metabolomics to Explore the Bioavailability of the Secoiridoids from a Seed/Fruit Extract (<i>Fraxinus angustifolia</i> Vahl) in Human Healthy Volunteers: A Preliminary Study. <i>Molecules</i> , 2015 , 20, 22202-19	4.8	13
19	Metabolism of different dietary phenolic compounds by the urolithin-producing human-gut bacteria <i>Gordonibacter urolithinifaciens</i> and <i>Ellagibacter isourolithinifaciens</i> . <i>Food and Function</i> , 2020 , 11, 7012-7022	6.1	13
18	Re-examining the role of the gut microbiota in the conversion of the lipid-lowering statin monacolin K (lovastatin) into its active β -hydroxy acid metabolite. <i>Food and Function</i> , 2019 , 10, 1787-1791	6.1	12
17	Urolithins: a comprehensive update on their metabolism, bioactivity, and associated gut microbiota.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2101019	5.9	11
16	Regulatory T Cells Restrict Permeability to Bacterial Antigen Translocation and Preserve Short-Chain Fatty Acids in Experimental Cirrhosis. <i>Hepatology Communications</i> , 2018 , 2, 1610-1623	6	11
15	Free-zone capillary electrophoresis analysis of hordein patterns at different stages of barley malting. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 6713-8	5.7	10
14	The Breast Cancer Resistance Protein (BCRP/ABCG2) influences the levels of enterolignans and their metabolites in plasma, milk and mammary gland. <i>Journal of Functional Foods</i> , 2017 , 35, 648-654	5.1	8
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. <i>European Journal of Nutrition</i> , 2019 , 58, 49-64	5.2	7
12	An altered tissue distribution of flaxseed lignans and their metabolites in Abcg2 knockout mice. <i>Food and Function</i> , 2018 , 9, 636-642	6.1	6
11	Flaxseed-enriched diets change milk concentration of the antimicrobial danofloxacin in sheep. <i>BMC Veterinary Research</i> , 2018 , 14, 14	2.7	6
10	Urolithins in Human Breast Milk after Walnut Intake and Kinetics of Colonization in Newly Born: The Role of Mothers' Urolithin Metabotypes. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 12606-12616	5.7	6
9	Endocrine disruption in Crohn's disease: Bisphenol A enhances systemic inflammatory response in patients with gut barrier translocation of dysbiotic microbiota products. <i>FASEB Journal</i> , 2021 , 35, e21697-9	7.9	5
8	Ellagitannins and Their Gut Microbiota-Derived Metabolites: Urolithins 2020 , 319-364		4

- 7 Complete Genome Sequence of the New Urolithin-Producing Bacterium DSM 27213. *Genome Announcements*, **2017**, 5, 2
- 6 Understanding PolyphenolsSHealth Effects Through the Gut Microbiota **2020**, 497-531 1
- 5 Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. *Food Chemistry*, **2021**, 357, 129757 8.5 1
- 4 Gut Microbiota Interactions With Dietary Terpenoids and Nitrogen-Containing Phytochemicals **2021**, 124-124 1
- 3 Flavan-3-ols: Catechins and Proanthocyanidins **2020**, 283-317
- 2 Metabolism of Dietary (Poly)phenols by the Gut Microbiota **2021**, 149-149
- 1 Gordonibacter1-12