

# Antonio González-Sarrás

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

7,589  
citations

44069

48  
h-index

53230

85  
g-index

100  
all docs

100  
docs citations

100  
times ranked

8218  
citing authors

#	ARTICLE	IF	CITATIONS
1	The gut microbiota: A key factor in the therapeutic effects of (poly)phenols. <i>Biochemical Pharmacology</i> , 2017, 139, 82-93.	4.4	427
2	Anti-inflammatory properties of a pomegranate extract and its metabolite urolithin-A in a colitis rat model and the effect of colon inflammation on phenolic metabolism†. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 717-725.	4.2	393
3	Resveratrol and Clinical Trials: The Crossroad from In Vitro Studies to Human Evidence. <i>Current Pharmaceutical Design</i> , 2013, 19, 6064-6093.	1.9	377
4	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.	3.3	319
5	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, 6535-6538.	5.2	299
6	Effect of a Low Dose of Dietary Resveratrol on Colon Microbiota, Inflammation and Tissue Damage in a DSS-Induced Colitis Rat Model. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2211-2220.	5.2	294
7	Urolithins, Ellagic Acid-Derived Metabolites Produced by Human Colonic Microflora, Exhibit Estrogenic and Antiestrogenic Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1611-1620.	5.2	233
8	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, 1199-1211.	3.3	190
9	NF- $\kappa$ B-dependent anti-inflammatory activity of urolithins, gut microbiota ellagic acid-derived metabolites, in human colonic fibroblasts. <i>British Journal of Nutrition</i> , 2010, 104, 503-512.	2.3	180
10	Occurrence of urolithins, gut microbiota ellagic acid metabolites and proliferation markers expression response in the human prostate gland upon consumption of walnuts and pomegranate juice. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 311-322.	3.3	174
11	Where to Look into the Puzzle of Polyphenols and Health? The Postbiotics and Gut Microbiota Associated with Human Metabotypes. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900952.	3.3	170
12	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.	3.3	165
13	Non-extractable polyphenols produce gut microbiota metabolites that persist in circulation and show anti-inflammatory and free radical-scavenging effects. <i>Trends in Food Science and Technology</i> , 2017, 69, 281-288.	15.1	146
14	Ellagitannin metabolites, urolithin $\beta$ -glucuronide and its aglycone urolithin $\beta$ -glucuronide, ameliorate TNF $\alpha$ -induced inflammation and associated molecular markers in human aortic endothelial cells. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 784-796.	3.3	143
15	Gene expression, cell cycle arrest and MAPK signalling regulation in Caco-2 cells exposed to ellagic acid and its metabolites, urolithins. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 686-698.	3.3	130
16	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.	3.4	127
17	Availability of polyphenols in fruit beverages subjected to in vitro gastrointestinal digestion and their effects on proliferation, cell-cycle and apoptosis in human colon cancer Caco-2 cells. <i>Food Chemistry</i> , 2009, 114, 813-820.	8.2	126
18	Neuroprotective Effects of Bioavailable Polyphenol-Derived Metabolites against Oxidative Stress-Induced Cytotoxicity in Human Neuroblastoma SH-SY5Y Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 752-758.	5.2	124

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19	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.	4.6	119
20	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, 117.	4.1	111
21	The gut microbiota metabolism of pomegranate or walnut ellagitannins yields two urolithin-metabolites that correlate with cardiometabolic risk biomarkers: Comparison between normoweight, overweight-obesity and metabolic syndrome. <i>Clinical Nutrition</i> , 2018, 37, 897-905.	5.0	111
22	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, 694.	4.1	108
23	Phase-II metabolism limits the antiproliferative activity of urolithins in human colon cancer cells. <i>European Journal of Nutrition</i> , 2014, 53, 853-864.	3.9	107
24	<i>Eubacterium limosum</i> Activates Isoxanthohumol from Hops ( <i>Humulus lupulus</i> L.) into the Potent Phytoestrogen 8-Prenylnaringenin In Vitro and in Rat Intestine. <i>Journal of Nutrition</i> , 2008, 138, 1310-1316.	2.9	99
25	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.	3.3	97
26	The ellagic acid-derived gut microbiota metabolite, urolithin A, potentiates the anticancer effects of 5-fluorouracil chemotherapy on human colon cancer cells. <i>Food and Function</i> , 2015, 6, 1460-1469.	4.6	94
27	Intestinal Ellagitannin Metabolites Ameliorate Cytokine-Induced Inflammation and Associated Molecular Markers in Human Colon Fibroblasts. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8866-8876.	5.2	91
28	The human gut microbial ecology associated with overweight and obesity determines ellagic acid metabolism. <i>Food and Function</i> , 2016, 7, 1769-1774.	4.6	91
29	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, 1274-1291.	3.3	89
30	Urolithins: a Comprehensive Update on their Metabolism, Bioactivity, and Associated Gut Microbiota. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101019.	3.3	89
31	Half-sandwich ruthenium(II)-arene complexes with thiosemicarbazones: Synthesis and biological evaluation of [(1-6-p-cymene)Ru(piperonal thiosemicarbazones)Cl]Cl complexes. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1019-1029.	3.5	86
32	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.	4.2	86
33	Interindividual variability in the human metabolism of ellagic acid: Contribution of <i>Gordonibacter</i> to urolithin production. <i>Journal of Functional Foods</i> , 2015, 17, 785-791.	3.4	77
34	Resveratrol Oligomers Isolated from <i>Carex</i> Species Inhibit Growth of Human Colon Tumorigenic Cells Mediated by Cell Cycle Arrest. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 8632-8638.	5.2	76
35	Dissimilar <i>In Vitro</i> and <i>In Vivo</i> Effects of Ellagic Acid and Its Microbiota-Derived Metabolites, Urolithins, on the Cytochrome P450 1A1. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5623-5632.	5.2	75
36	Anticancer effects of maple syrup phenolics and extracts on proliferation, apoptosis, and cell cycle arrest of human colon cells. <i>Journal of Functional Foods</i> , 2012, 4, 185-196.	3.4	74

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37	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, e1801239.	3.3	73
38	Comprehensive characterization of the effects of ellagic acid and urolithins on colorectal cancer and key-associated molecular hallmarks: MicroRNA cell specific induction of <i>CDKN1A</i> (p21) as a common mechanism involved. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 701-716.	3.3	68
39	Synthesis, Characterisation, and Preliminary In Vitro Studies of Vanadium(IV) Complexes with a Schiff Base and Thiosemicarbazones as Mixed Ligands. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 664-677.	2.0	66
40	The Gut Microbiota Ellagic Acid-Derived Metabolite Urolithin A and Its Sulfate Conjugate Are Substrates for the Drug Efflux Transporter Breast Cancer Resistance Protein (ABCG2/BCRP). <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4352-4359.	5.2	65
41	Effects of Maple ( <i>Acer</i> ) Plant Part Extracts on Proliferation, Apoptosis and Cell Cycle Arrest of Human Tumorigenic and Non-tumorigenic Colon Cells. <i>Phytotherapy Research</i> , 2012, 26, 995-1002.	5.8	60
42	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.	3.6	58
43	Main drivers of (poly)phenol effects on human health: metabolite production and/or gut microbiota-associated metabolites?. <i>Food and Function</i> , 2021, 12, 10324-10355.	4.6	58
44	MicroRNAs expression in normal and malignant colon tissues as biomarkers of colorectal cancer and in response to pomegranate extracts consumption: Critical issues to discern between modulatory effects and potential artefacts. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1973-1986.	3.3	57
45	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.	3.9	54
46	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.	4.1	52
47	Maple polyphenols, ginnalins A-C, induce S- and G2/M-cell cycle arrest in colon and breast cancer cells mediated by decreasing cyclins A and D1 levels. <i>Food Chemistry</i> , 2013, 136, 636-642.	8.2	51
48	Nutraceuticals for older people: Facts, fictions and gaps in knowledge. <i>Maturitas</i> , 2013, 75, 313-334.	2.4	50
49	In Vitro Research on Dietary Polyphenols and Health: A Call of Caution and a Guide on How To Proceed. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7857-7858.	5.2	48
50	Conjugated Physiological Resveratrol Metabolites Induce Senescence in Breast Cancer Cells: Role of p53/p21 and p16/Rb Pathways, and ABC Transporters. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900629.	3.3	48
51	Evidence for health properties of pomegranate juices and extracts beyond nutrition: A critical systematic review of human studies. <i>Trends in Food Science and Technology</i> , 2021, 114, 410-423.	15.1	48
52	Hesperetin and its sulfate and glucuronide metabolites inhibit TNF- $\alpha$ induced human aortic endothelial cell migration and decrease plasminogen activator inhibitor-1 (PAI-1) levels. <i>Food and Function</i> , 2016, 7, 118-126.	4.6	47
53	Milk-Derived Exosomes as Nanocarriers to Deliver Curcumin and Resveratrol in Breast Tissue and Enhance Their Anticancer Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2860.	4.1	44
54	Effects of long-term consumption of low doses of resveratrol on diet-induced mild hypercholesterolemia in pigs: a transcriptomic approach to disease prevention. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 829-837.	4.2	43

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55	Physiological Relevance of the Antiproliferative and Estrogenic Effects of Dietary Polyphenol Aglycones versus Their Phase-II Metabolites on Breast Cancer Cells: A Call of Caution. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8547-8555.	5.2	42
56	Disposition of Dietary Polyphenols in Breast Cancer Patients' Tumors, and Their Associated Anticancer Activity: The Particular Case of Curcumin. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100163.	3.3	42
57	Dietary Phenolics against Breast Cancer. A Critical Evidence-Based Review and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5718.	4.1	40
58	The gut microbiota metabolite urolithin A, but not other relevant urolithins, induces p53-dependent cellular senescence in human colon cancer cells. <i>Food and Chemical Toxicology</i> , 2020, 139, 111260.	3.6	40
59	Phenolic Glycosides from Sugar Maple ( <i>Acer saccharum</i> ) Bark. <i>Journal of Natural Products</i> , 2011, 74, 2472-2476.	3.0	39
60	A novel copper(II) complex identified as a potent drug against colorectal and breast cancer cells and as a poison inhibitor for human topoisomerase II $\alpha$ . <i>Inorganic Chemistry Communication</i> , 2016, 64, 45-49.	3.9	39
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> , 2019, 58, 37-47.	3.9	39
62	New Insights into the Metabolism of the Flavanones Eriocitrin and Hesperidin: A Comparative Human Pharmacokinetic Study. <i>Antioxidants</i> , 2021, 10, 435.	5.1	38
63	Synthesis and structure of [(1-6-p-cymene)Ru(2-anthracen-9-ylmethylene-N-ethylhydrazinecarbothioamide)Cl]Cl; biological evaluation, topoisomerase II inhibition and reaction with DNA and human serum albumin. <i>Metallomics</i> , 2011, 3, 491.	2.4	37
64	The Ellagic Acid Derivative 4,4'-Dihydroxymethyl-3,3'-Methylenellagic Acid Efficiently Inhibits Colon Cancer Cell Growth through a Mechanism Involving WNT16. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 353, 433-444.	2.5	37
65	Tissue deconjugation of urolithin A glucuronide to free urolithin A in systemic inflammation. <i>Food and Function</i> , 2019, 10, 3135-3141.	4.6	36
66	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.	3.9	36
67	Synthesis and characterization of mixed-ligand diimine-piperonal thiosemicarbazone complexes of ruthenium(II): Biophysical investigations and biological evaluation as anticancer and antibacterial agents. <i>Journal of Molecular Structure</i> , 2011, 992, 39-47.	3.6	35
68	Highly potent anti-proliferative effects of a gallium(III) complex with 7-chloroquinoline thiosemicarbazone as a ligand: Synthesis, cytotoxic and antimalarial evaluation. <i>European Journal of Medicinal Chemistry</i> , 2014, 86, 81-86.	5.5	32
69	Consumption of pomegranate decreases plasma lipopolysaccharide-binding protein levels, a marker of metabolic endotoxemia, in patients with newly diagnosed colorectal cancer: a randomized controlled clinical trial. <i>Food and Function</i> , 2018, 9, 2617-2622.	4.6	32
70	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.	5.2	31
71	Cytotoxicity and structure activity relationship studies of maplexins A, gallotannins from red maple ( <i>Acer rubrum</i> ). <i>Food and Chemical Toxicology</i> , 2012, 50, 1369-1376.	3.6	29
72	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, 1805.	4.1	25

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73	Targeting Mammalian 5-Lipoxygenase by Dietary Phenolics as an Anti-Inflammatory Mechanism: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7937.	4.1	24
74	A Dietary Resveratrol-Rich Grape Extract Prevents the Developing of Atherosclerotic Lesions in the Aorta of Pigs Fed an Atherogenic Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5609-5620.	5.2	20
75	Cytotoxic gallium complexes containing thiosemicarbazones derived from 9-anthraldehyde: Molecular docking with biomolecules. <i>Journal of Molecular Structure</i> , 2016, 1121, 156-166.	3.6	20
76	Vasorelaxant activity of twenty-one physiologically relevant (poly)phenolic metabolites on isolated mouse arteries. <i>Food and Function</i> , 2017, 8, 4331-4335.	4.6	20
77	Cytotoxicity of aporphines in human colon cancer cell lines HCT-116 and Caco-2: An SAR study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4462-4464.	2.2	19
78	Synthesis and antiproliferative activities of quebecol and its analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5329-5331.	2.2	17
79	Inhibition of 5- $\alpha$ -Lipoxygenase-Derived Leukotrienes and Hemiketals as a Novel Anti-Inflammatory Mechanism of Urolithins. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000129.	3.3	16
80	Acylphloroglucinol and xanthones from <i>Hypericum ellipticum</i> . <i>Phytochemistry</i> , 2011, 72, 662-667.	2.9	14
81	Novel microwave synthesis of half-sandwich $[(\eta^6\text{-C}_6\text{H}_6)_2\text{Ru}]$ complexes and an evaluation of the biological activity and biochemical reactivity. <i>Applied Organometallic Chemistry</i> , 2013, 27, 425-434.	3.5	12
82	Physiological concentrations of phytosterols enhance the apoptotic effects of 5-fluorouracil in colon cancer cells. <i>Journal of Functional Foods</i> , 2018, 49, 52-60.	3.4	9
83	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.	3.9	9
84	Bioavailability, Metabolism, and Bioactivity of Food Ellagic Acid and Related Polyphenols. , 0, , 263-277.		8
85	Anti-Inflammatory and Antioxidant Effects of Regular Consumption of Cooked Ham Enriched with Dietary Phenolics in Diet-Induced Obese Mice. <i>Antioxidants</i> , 2020, 9, 639.	5.1	8
86	Kinetic disposition of dietary polyphenols and methylxanthines in the rat mammary tissue. <i>Journal of Functional Foods</i> , 2019, 61, 103516.	3.4	6
87	Physiologically relevant curcuminoids inhibit angiogenesis via VEGFR2 in human aortic endothelial cells. <i>Food and Chemical Toxicology</i> , 2022, 166, 113254.	3.6	4
88	Coordination Chemistry of Polyaromatic Thiosemicarbazones 2: Synthesis and Biological Activity of Zinc, Cobalt, and Copper Complexes of 1-(Naphthalene-2-yl)ethanone Thiosemicarbazone. <i>International Journal of Inorganic Chemistry</i> , 2011, 2011, 1-8.	0.6	3
89	New Galloyl Derivative from Winged Sumac ( <i>Rhus copallinum</i> ) Fruit. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	3
90	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. <i>Proceedings of the Nutrition Society</i> , 2018, 77, .	1.0	2

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91	Metabolism of Dietary (Poly)phenols by the Gut Microbiota. , 2022, , 149-175.		2
92	Isolation of cytotoxic constituents from <i>Carex vulpinoidea</i> seeds. <i>Planta Medica</i> , 2012, 78, .	1.3	2
93	Effects of red raspberry polyphenols and metabolites on the biomarkers of inflammation and insulin resistance in type 2 diabetes: a pilot study. <i>Food and Function</i> , 2022, 13, 5166-5176.	4.6	2
94	Anticancer studies of gallotannins from Maple ( <i>Acer</i> ) Spp. <i>Planta Medica</i> , 2012, 78, .	1.3	1