Antonio Gonzlez-Sarras

List of Publications by Citations

96 papers	5,557 citations	43 h-index	73 g-index
100 ext. papers	6,620 ext. citations	5.3 avg, IF	5.97 L-index

#	Paper	IF	Citations
96	Resveratrol and clinical trials: the crossroad from in vitro studies to human evidence. *Current Pharmaceutical Design*, **2013**, 19, 6064-93	3.3	321
95	The gut microbiota: A key factor in the therapeutic effects of (poly)phenols. *Biochemical Pharmacology*, **2017**, 139, 82-93	6	319
94	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. *Journal of Nutritional Biochemistry*, **2010**, 21, 717-25	6.3	319
93	Effect of a low dose of dietary resveratrol on colon microbiota, inflammation and tissue damage in a DSS-induced colitis rat model. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 2211-20	5.7	240
92	Urolithins, the rescue of "old" metabolites to understand a "new" concept: Metabotypes as a nexus among phenolic metabolism, microbiota dysbiosis, and host health status. *Molecular Nutrition and Food Research*, **2017**, 61, 1500901	5.9	221
91	Ellagic acid metabolism by human gut microbiota: consistent observation of three urolithin phenotypes in intervention trials, independent of food source, age, and health status. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 6535-8	5.7	218
90	Urolithins, ellagic acid-derived metabolites produced by human colonic microflora, exhibit estrogenic and antiestrogenic activities. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 1611-20	5.7	204
89	NF-kappaB-dependent anti-inflammatory activity of urolithins, gut microbiota ellagic acid-derived metabolites, in human colonic fibroblasts. *British Journal of Nutrition*, **2010**, 104, 503-12	3.6	153
88	Targeted metabolic profiling of pomegranate polyphenols and urolithins in plasma, urine and colon tissues from colorectal cancer patients. *Molecular Nutrition and Food Research*, **2014**, 58, 1199-211	5.9	149
87	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. *Molecular Nutrition and Food Research*, **2010**, 54, 311-22	5.9	145
86	Ellagitannin metabolites, urolithin A glucuronide and its aglycone urolithin A, ameliorate TNF-induced inflammation and associated molecular markers in human aortic endothelial cells. *Molecular Nutrition and Food Research*, **2012**, 56, 784-96	5.9	120
85	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. *Molecular Nutrition and Food Research*, **2017**, 61, 1600830	5.9	114
84	Gene expression, cell cycle arrest and MAPK signalling regulation in Caco-2 cells exposed to ellagic acid and its metabolites, urolithins. *Molecular Nutrition and Food Research*, **2009**, 53, 686-98	5.9	103
83	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. *Food Chemistry*, **2009**, 114, 813-820	8.5	102
82	Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-Individual Variability. *Nutrients*, **2017**, 9,	6.7	93
81	Non-extractable polyphenols produce gut microbiota metabolites that persist in circulation and show anti-inflammatory and free radical-scavenging effects. *Trends in Food Science and Technology*, **2017**, 69, 281-288	15.3	92
80	Identifying the limits for ellagic acid bioavailability: A crossover pharmacokinetic study in healthy volunteers after consumption of pomegranate extracts. *Journal of Functional Foods*, **2015**, 19, 225-235	5.1	91

79	Neuroprotective Effects of Bioavailable Polyphenol-Derived Metabolites against Oxidative Stress-Induced Cytotoxicity in Human Neuroblastoma SH-SY5Y Cells. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 752-758	5.7	89
78	Phase-II metabolism limits the antiproliferative activity of urolithins in human colon cancer cells. *European Journal of Nutrition*, **2014**, 53, 853-64	5.2	84
77	Where to Look into the Puzzle of Polyphenols and Health? The Postbiotics and Gut Microbiota Associated with Human Metabotypes. *Molecular Nutrition and Food Research*, **2020**, 64, e1900952	5.9	79
76	Eubacterium limosum activates isoxanthohumol from hops (Humulus lupulus L.) into the potent phytoestrogen 8-prenylnaringenin in vitro and in rat intestine. *Journal of Nutrition*, **2008**, 138, 1310-6	4.1	79
75	Half-sandwich ruthenium□rene complexes with thiosemicarbazones: synthesis and biological evaluation of [(Þ-cymene)Ru(piperonal thiosemicarbazones)Cl]Cl complexes. *Journal of Inorganic Biochemistry*, **2011**, 105, 1019-29	4.2	78
74	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,	6.3	77
73	The ellagic acid-derived gut microbiota metabolite, urolithin A, potentiates the anticancer effects of 5-fluorouracil chemotherapy on human colon cancer cells. *Food and Function*, **2015**, 6, 1460-9	6.1	75
72	Intestinal ellagitannin metabolites ameliorate cytokine-induced inflammation and associated molecular markers in human colon fibroblasts. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8866-76	5.7	75
71	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	5.9	73
70	The human gut microbial ecology associated with overweight and obesity determines ellagic acid metabolism. *Food and Function*, **2016**, 7, 1769-74	6.1	67
69	Resveratrol oligomers isolated from Carex species inhibit growth of human colon tumorigenic cells mediated by cell cycle arrest. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 8632-8	5.7	67
68	Dietary phenolics against colorectal cancer--From promising preclinical results to poor translation into clinical trials: Pitfalls and future needs. *Molecular Nutrition and Food Research*, **2015**, 59, 1274-91	5.9	65
67	The gut microbiota urolithin metabotypes revisited: the human metabolism of ellagic acid is mainly determined by aging. *Food and Function*, **2018**, 9, 4100-4106	6.1	63
66	Dissimilar in vitro and in vivo effects of ellagic acid and its microbiota-derived metabolites, urolithins, on the cytochrome P450 1A1. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 5623-32	5.7	63
65	Interindividual variability in the human metabolism of ellagic acid: Contribution of Gordonibacter to urolithin production. *Journal of Functional Foods*, **2015**, 17, 785-791	5.1	62
64	The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial. *Molecular Nutrition and Food Research*, **2018**, 62, e1800160	5.9	61
63	Anticancer effects of maple syrup phenolics and extracts on proliferation, apoptosis, and cell cycle arrest of human colon cells. *Journal of Functional Foods*, **2012**, 4, 185-196	5.1	59
62	Comprehensive characterization of the effects of ellagic acid and urolithins on colorectal cancer and key-associated molecular hallmarks: MicroRNA cell specific induction of CDKN1A (p21) as a common mechanism involved. *Molecular Nutrition and Food Research*, **2016**, 60, 701-16	5.9	59

61	Gene expression changes in colon tissues from colorectal cancer patients following the intake of an ellagitannin-containing pomegranate extract: a randomized clinical trial. *Journal of Nutritional Biochemistry*, **2017**, 42, 126-133	6.3	56
60	Synthesis, characterization, and preliminary studies of vanadium(IV) complexes with a Schiff base and thiosemicarbazones as mixed-ligands. *European Journal of Inorganic Chemistry*, **2012**, 2012, 664-677	2.3	55
59	Effects of maple (Acer) plant part extracts on proliferation, apoptosis and cell cycle arrest of human tumorigenic and non-tumorigenic colon cells. *Phytotherapy Research*, **2012**, 26, 995-1002	6.7	49
58	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. *Food and Chemical Toxicology*, **2016**, 92, 8-16	4.7	48
57	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). *Journal of Agricultural and Food Chemistry*, **2013**, 61, 4352-9	5.7	47
56	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. *Molecular Nutrition and Food Research*, **2015**, 59, 1973-86	5.9	45
55	Antiproliferative activity of the ellagic acid-derived gut microbiota isourolithin A and comparison with its urolithin A isomer: the role of cell metabolism. *European Journal of Nutrition*, **2017**, 56, 831-841	5.2	44
54	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. *Food Chemistry*, **2013**, 136, 636-42	8.5	44
53	Metabolic Profiling of Dietary Polyphenols and Methylxanthines in Normal and Malignant Mammary Tissues from Breast Cancer Patients. *Molecular Nutrition and Food Research*, **2019**, 63, e1801239	5.9	43
52	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. *Nutrients*, **2017**, 9, 746	6.7	39
51	Hesperetin and its sulfate and glucuronide metabolites inhibit TNF-induced human aortic endothelial cell migration and decrease plasminogen activator inhibitor-1 (PAI-1) levels. *Food and Function*, **2016**, 7, 118-26	6.1	38
50	Effects of long-term consumption of low doses of resveratrol on diet-induced mild hypercholesterolemia in pigs: a transcriptomic approach to disease prevention. *Journal of Nutritional Biochemistry*, **2012**, 23, 829-37	6.3	37
49	Nutraceuticals for older people: facts, fictions and gaps in knowledge. *Maturitas*, **2013**, 75, 313-34	5	37
48	In Vitro Research on Dietary Polyphenols and Health: A Call of Caution and a Guide on How To Proceed. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 7857-7858	5.7	34
47	Synthesis and characterization of mixed-ligand diimine-piperonal thiosemicarbazone complexes of ruthenium(II): Biophysical investigations and biological evaluation as anticancer and antibacterial agents. *Journal of Molecular Structure*, **2011**, 992, 39-47	3.4	33
46	Phenolic glycosides from sugar maple (Acer saccharum) bark. *Journal of Natural Products*, **2011**, 74, 2472-9	4.9	32
45	The ellagic acid derivative 4,4Sdi-O-methylellagic acid efficiently inhibits colon cancer cell growth through a mechanism involving WNT16. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 353, 433-44	4.7	31
44	Conjugated Physiological Resveratrol Metabolites Induce Senescence in Breast Cancer Cells: Role of p53/p21 and p16/Rb Pathways, and ABC Transporters. *Molecular Nutrition and Food Research*, **2019**, 63, e1900629	5.9	31

43	Synthesis and structure of [(η6)-p-cymene)Ru(2-anthracen-9-ylmethylene-N-ethylhydrazinecarbothioamide)Cl]Cl; biological evaluation, topoisomerase II inhibition and reaction with DNA and human serum albumin. *Metallomics*, **2011**, 3, 491-502	4.5	31
42	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. *Inorganic Chemistry Communication*, **2016**, 64, 45-49	3.1	29
41	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. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8547-8555	5.7	29
40	Highly potent anti-proliferative effects of a gallium(III) complex with 7-chloroquinoline thiosemicarbazone as a ligand: synthesis, cytotoxic and antimalarial evaluation. *European Journal of Medicinal Chemistry*, **2014**, 86, 81-6	6.8	29
39	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVe activities. *European Journal of Nutrition*, **2019**, 58, 37-47	5.2	27
38	Cytotoxicity and structure activity relationship studies of maplexins A-I, gallotannins from red maple (Acer rubrum). *Food and Chemical Toxicology*, **2012**, 50, 1369-76	4.7	24
37	Tissue deconjugation of urolithin A glucuronide to free urolithin A in systemic inflammation. *Food and Function*, **2019**, 10, 3135-3141	6.1	22
36	Dietary Phenolics against Breast Cancer. A Critical Evidence-Based Review and Future Perspectives. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	22
35	Breakthroughs in the Health Effects of Plant Food Bioactives: A Perspective on Microbiomics, Nutri(epi)genomics, and Metabolomics. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 10686-10692	5.7	22
34	The gut microbiota metabolite urolithin A, but not other relevant urolithins, induces p53-dependent cellular senescence in human colon cancer cells. *Food and Chemical Toxicology*, **2020**, 139, 111260	4.7	21
33	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. *European Journal of Nutrition*, **2020**, 59, 1329-1343	5.2	21
32	A dietary resveratrol-rich grape extract prevents the developing of atherosclerotic lesions in the aorta of pigs fed an atherogenic diet. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5609-20	5.7	20
31	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. *Food and Function*, **2018**, 9, 2617-2622	6.1	19
30	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. *Nutrients*, **2019**, 11,	6.7	17
29	Vasorelaxant activity of twenty-one physiologically relevant (poly)phenolic metabolites on isolated mouse arteries. *Food and Function*, **2017**, 8, 4331-4335	6.1	17
28	Cytotoxic gallium complexes containing thiosemicarbazones derived from 9-anthraldehyde: Molecular docking with biomolecules. *Journal of Molecular Structure*, **2016**, 1121, 156-166	3.4	16
27	Synthesis and antiproliferative activities of quebecol and its analogs. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 5329-31	2.9	16
26	Main drivers of (poly)phenol effects on human health: metabolite production and/or gut microbiota-associated metabotypes?. *Food and Function*, **2021**, 12, 10324-10355	6.1	15

25	Cytotoxicity of aporphines in human colon cancer cell lines HCT-116 and Caco-2: an SAR study. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 4462-4	2.9	14
24	Disposition of Dietary Polyphenols in Breast Cancer PatientsSTumors, and Their Associated Anticancer Activity: The Particular Case of Curcumin. *Molecular Nutrition and Food Research*, **2021**, 65, e2100163	5.9	14
23	Urolithins: a comprehensive update on their metabolism, bioactivity, and associated gut microbiota.. *Molecular Nutrition and Food Research*, **2022**, e2101019	5.9	11
22	Evidence for health properties of pomegranate juices and extracts beyond nutrition: A critical systematic review of human studies. *Trends in Food Science and Technology*, **2021**, 114, 410-423	15.3	11
21	Novel microwave synthesis of half-sandwich [(?-C6H6)Ru] complexes and an evaluation of the biological activity and biochemical reactivity. *Applied Organometallic Chemistry*, **2013**, 27, 425-434	3.1	10
20	Acylphloroglucinol and xanthones from Hypericum ellipticum. *Phytochemistry*, **2011**, 72, 662-7	4	10
19	New Insights into the Metabolism of the Flavanones Eriocitrin and Hesperidin: A Comparative Human Pharmacokinetic Study. *Antioxidants*, **2021**, 10,	7.1	9
18	Improving the reporting quality of intervention trials addressing the inter-individual variability in response to the consumption of plant bioactives: quality index and recommendations. *European Journal of Nutrition*, **2019**, 58, 49-64	5.2	7
17	Inhibition of 5-Lipoxygenase-Derived Leukotrienes and Hemiketals as a Novel Anti-Inflammatory Mechanism of Urolithins. *Molecular Nutrition and Food Research*, **2020**, 64, e2000129	5.9	6
16	Targeting Mammalian 5-Lipoxygenase by Dietary Phenolics as an Anti-Inflammatory Mechanism: A Systematic Review. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
15	Kinetic disposition of dietary polyphenols and methylxanthines in the rat mammary tissue. *Journal of Functional Foods*, **2019**, 61, 103516	5.1	5
14	Milk-Derived Exosomes as Nanocarriers to Deliver Curcumin and Resveratrol in Breast Tissue and Enhance Their Anticancer Activity.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
13	Physiological concentrations of phytosterols enhance the apoptotic effects of 5-fluorouracil in colon cancer cells. *Journal of Functional Foods*, **2018**, 49, 52-60	5.1	4
12	Bioavailability, Metabolism, and Bioactivity of Food Ellagic Acid and Related Polyphenols263-277		4
11	Structural Diversity of Polyphenols and Distribution in Foods **2020**, 1-29		4
10	Ellagitannins and Their Gut Microbiota-Derived Metabolites: Urolithins **2020**, 319-364		4
9	New Galloyl Derivative from Winged Sumac (Rhus copallinum) Fruit. *Natural Product Communications*, **2012**, 7, 1934578X1200700	0.9	3
8	Coordination Chemistry of Polyaromatic Thiosemicarbazones 2: Synthesis and Biological Activity of Zinc, Cobalt, and Copper Complexes of 1-(Naphthalene-2-yl)ethanone Thiosemicarbazone. *International Journal of Inorganic Chemistry*, **2011**, 2011,		3

List of Publications

7	Anti-Inflammatory and Antioxidant Effects of Regular Consumption of Cooked Ham Enriched with Dietary Phenolics in Diet-Induced Obese Mice. *Antioxidants*, **2020**, 9,	7.1	3
6	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. *Proceedings of the Nutrition Society*, **2018**, 77,	2.9	2
5	Flavanones **2020**, 439-495		1
4	Understanding PolyphenolsSHealth Effects Through the Gut Microbiota **2020**, 497-531		1
3	Nonextractable Polyphenols: A Relevant Group with Health Effects **2020**, 31-83		0
2	Flavan-3-ols: Catechins and Proanthocyanidins **2020**, 283-317		
1	Metabolism of Dietary (Poly)phenols by the Gut Microbiota **2021**, 149-149		