

Antonio González-Sarrás

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4026962/publications.pdf>

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 | Metabolism of Dietary (Poly)phenols by the Gut Microbiota. , 2022, , 149-175. | | 2 |
| 2 | Effects of red raspberry polyphenols and metabolites on the biomarkers of inflammation and insulin resistance in type 2 diabetes: a pilot study. Food and Function, 2022, 13, 5166-5176. | 4.6 | 2 |
| 3 | Urolithins: a Comprehensive Update on their Metabolism, Bioactivity, and Associated Gut Microbiota. Molecular Nutrition and Food Research, 2022, 66, e2101019. | 3.3 | 89 |
| 4 | 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, 2860. | 4.1 | 44 |
| 5 | Physiologically relevant curcuminoids inhibit angiogenesis via VEGFR2 in human aortic endothelial cells. Food and Chemical Toxicology, 2022, 166, 113254. | 3.6 | 4 |
| 6 | Main drivers of (poly)phenol effects on human health: metabolite production and/or gut microbiota-associated metabotypes?. Food and Function, 2021, 12, 10324-10355. | 4.6 | 58 |
| 7 | New Insights into the Metabolism of the Flavanones Eriocitrin and Hesperidin: A Comparative Human Pharmacokinetic Study. Antioxidants, 2021, 10, 435. | 5.1 | 38 |
| 8 | Disposition of Dietary Polyphenols in Breast Cancer Patients' Tumors, and Their Associated Anticancer Activity: The Particular Case of Curcumin. Molecular Nutrition and Food Research, 2021, 65, e2100163. | 3.3 | 42 |
| 9 | Targeting Mammalian 5-Lipoxygenase by Dietary Phenolics as an Anti-Inflammatory Mechanism: A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 7937. | 4.1 | 24 |
| 10 | 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. | 15.1 | 48 |
| 11 | Anti-Inflammatory and Antioxidant Effects of Regular Consumption of Cooked Ham Enriched with Dietary Phenolics in Diet-Induced Obese Mice. Antioxidants, 2020, 9, 639. | 5.1 | 8 |
| 12 | Dietary Phenolics against Breast Cancer. A Critical Evidence-Based Review and Future Perspectives. International Journal of Molecular Sciences, 2020, 21, 5718. | 4.1 | 40 |
| 13 | 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. | 3.6 | 40 |
| 14 | 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. | 3.3 | 170 |
| 15 | 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. | 3.9 | 36 |
| 16 | Inhibition of 5- α -Lipoxygenase-Derived Leukotrienes and Hemiketals as a Novel Anti-Inflammatory Mechanism of Urolithins. Molecular Nutrition and Food Research, 2020, 64, e2000129. | 3.3 | 16 |
| 17 | Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. Nutrients, 2019, 11, 1805. | 4.1 | 25 |
| 18 | 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. | 3.3 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Kinetic disposition of dietary polyphenols and methylxanthines in the rat mammary tissue. <i>Journal of Functional Foods</i> , 2019, 61, 103516. | 3.4 | 6 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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. <i>Clinical Nutrition</i> , 2018, 37, 897-905. | 5.0 | 111 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | The gut microbiota urolithin metabotypes revisited: the human metabolism of ellagic acid is mainly determined by aging. <i>Food and Function</i> , 2018, 9, 4100-4106. | 4.6 | 119 |
| 31 | 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 |
| 32 | <i>In Vitro</i> 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | The gut microbiota: A key factor in the therapeutic effects of (poly)phenols. <i>Biochemical Pharmacology</i> , 2017, 139, 82-93. | 4.4 | 427 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Interindividual Variability. <i>Nutrients</i> , 2017, 9, 117. | 4.1 | 111 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | A novel copper(II) complex identified as a potent drug against colorectal and breast cancer cells and as a poison inhibitor for human topoisomerase III β . <i>Inorganic Chemistry Communication</i> , 2016, 64, 45-49. | 3.9 | 39 |
| 48 | 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 |
| 49 | Hesperetin and its sulfate and glucuronide metabolites inhibit TNF- α 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | The Ellagic Acid Derivative 4,4'-Di-O-Methylellagic 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 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | Nutraceuticals for older people: Facts, fictions and gaps in knowledge. <i>Maturitas</i> , 2013, 75, 313-334. | 2.4 | 50 |
| 61 | Synthesis and antiproliferative activities of quebecol and its analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5329-5331. | 2.2 | 17 |
| 62 | 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 |
| 63 | 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 |
| 64 | Novel microwave synthesis of half-sandwich [(η^6 -C ₆ H ₆)Ru] complexes and an evaluation of the biological activity and biochemical reactivity. <i>Applied Organometallic Chemistry</i> , 2013, 27, 425-434. | 3.5 | 12 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Cytotoxicity and structure activity relationship studies of maplexins A-I, gallotannins from red maple (<i>Acer rubrum</i>). <i>Food and Chemical Toxicology</i> , 2012, 50, 1369-1376. | 3.6 | 29 |
| 69 | 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 |
| 70 | New Galloyl Derivative from Winged Sumac (<i>Rhus copallinum</i>) Fruit. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700. | 0.5 | 3 |
| 71 | 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 |
| 72 | Ellagitannin metabolites, urolithin A-glucuronide and its aglycone urolithin A, ameliorate TNF α -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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | Anticancer studies of gallotannins from Maple (<i>Acer</i>) Spp. <i>Planta Medica</i> , 2012, 78, . | 1.3 | 1 |
| 76 | Isolation of cytotoxic constituents from <i>Carex vulpinoidea</i> seeds. <i>Planta Medica</i> , 2012, 78, . | 1.3 | 2 |
| 77 | 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 |
| 78 | 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 |
| 79 | Phenolic Glycosides from Sugar Maple (<i>Acer saccharum</i>) Bark. <i>Journal of Natural Products</i> , 2011, 74, 2472-2476. | 3.0 | 39 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | Acylphloroglucinol and xanthenes from <i>Hypericum ellipticum</i> . <i>Phytochemistry</i> , 2011, 72, 662-667. | 2.9 | 14 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | NF- κ 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Dissimilar In Vitro and In Vivo 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | 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 |
| 92 | <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 ³ . <i>Journal of Nutrition</i> , 2008, 138, 1310-1316. | 2.9 | 99 |
| 93 | 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 |
| 94 | Bioavailability, Metabolism, and Bioactivity of Food Ellagic Acid and Related Polyphenols. , 0, , 263-277. | | 8 |