# Ana M GonzÃ¡lez-ParamÃ¡s

List of Publications by Year
in descending order



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|---|---|---|---|
| 105 papers | 5,697 citations | 57631 44 h-index | 82410 72 g-index |
| 109 all docs | 109 docs citations | 109 times ranked | 7911 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Distribution and Contents of Phenolic Compounds in Eighteen Scandinavian Berry Species. Journal of Agricultural and Food Chemistry, 2004, 52, 4477-4486. | 2.4 | 310 |
| 2 | One-month strawberry-rich anthocyanin supplementation ameliorates cardiovascular risk, oxidative stress markers and platelet activation in humans. Journal of Nutritional Biochemistry, 2014, 25, 289-294. | 1.9 | 286 |
| 3 | Hydroxycinnamic Acids and Their Derivatives: Cosmeceutical Significance, Challenges and Future Perspectives, a Review. Molecules, 2017, 22, 281. | 1.7 | 246 |
| 4 | Flavanol Content and Antioxidant Activity in Winery Byproducts. Journal of Agricultural and Food Chemistry, 2004, 52, 234-238. | 2.4 | 171 |
| 5 | Strawberry Polyphenols Attenuate Ethanol-Induced Gastric Lesions in Rats by Activation of Antioxidant Enzymes and Attenuation of MDA Increase. PLoS ONE, 2011, 6, e25878. | 1.1 | 166 |
| 6 | HPLC-fluorimetric method for analysis of amino acids in products of the hive (honey and bee-pollen). Food Chemistry, 2006, 95, 148-156. | 4.2 | 147 |
| 7 | Antioxidant evaluation of O-methylated metabolites of catechin, epicatechin and quercetin. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 443-449. | 1.4 | 147 |
| 8 | Phenolics from monofloral honeys protect human erythrocyte membranes against oxidative damage. Food and Chemical Toxicology, 2012, 50, 1508-1516. | 1.8 | 134 |
| 9 | Mushrooms extracts and compounds in cosmetics, cosmeceuticals and nutricosmeticsâ€”A review. Industrial Crops and Products, 2016, 90, 38-48. | 2.5 | 134 |
| 10 | Activation of AMPK/Nrf2 signalling by Manuka honey protects human dermal fibroblasts against oxidative damage by improving antioxidant response and mitochondrial function promoting wound healing. Journal of Functional Foods, 2016, 25, 38-49. | 1.6 | 132 |
| 11 | Glucuronidated and sulfated metabolites of the flavonoid quercetin prevent endothelial dysfunction but lack direct vasorelaxant effects in rat aorta. Atherosclerosis, 2009, 204, 34-39. | 0.4 | 108 |
| 12 | An Integrated View of the Effects of Wine Polyphenols and Their Relevant Metabolites on Gut and Host Health. Molecules, 2017, 22, 99. | 1.7 | 107 |
| 13 | An anthocyanin-rich strawberry extract protects against oxidative stress damage and improves mitochondrial functionality in human dermal fibroblasts exposed to an oxidizing agent. Food and Function, 2014, 5, 1939. | 2.1 | 105 |
| 14 | Isolation and Structural Characterization of New Acylated Anthocyaninâˆ’Vinylâˆ’Flavanol Pigments Occurring in Aging Red Wines. Journal of Agricultural and Food Chemistry, 2003, 51, 277-282. | 2.4 | 102 |
| 15 | Apis mellifera vs Melipona beecheii Cuban polifloral honeys: A comparison based on their physicochemical parameters, chemical composition and biological properties. LWT - Food Science and Technology, 2018, 87, 272-279. | 2.5 | 101 |
| 16 | Geographical discrimination of honeys by using mineral composition and common chemical quality parameters. Journal of the Science of Food and Agriculture, 2000, 80, 157-165. | 1.7 | 98 |
| 17 | Strawberry consumption improves aging-associated impairments, mitochondrial biogenesis and functionality through the AMP-activated protein kinase signaling cascade. Food Chemistry, 2017, 234, 464-471. | 4.2 | 98 |
| 18 | Antioxidant Characterization of Native Monofloral Cuban Honeys. Journal of Agricultural and Food Chemistry, 2010, 58, 9817-9824. | 2.4 | 97 |

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|---|---|---|---|
| 19 | Photoprotective Potential of Strawberry (FragariaÃ—ananassa) Extract against UV-A Irradiation Damage on Human Fibroblasts. Journal of Agricultural and Food Chemistry, 2012, 60, 2322-2327. | 2.4 | 94 |
| 20 | Flavanolâ€“anthocyanin condensed pigments in plant extracts. Food Chemistry, 2006, 94, 428-436. | 4.2 | 89 |
| 21 | Polyphenol-Rich Strawberry Extract Protects Human Dermal Fibroblasts against Hydrogen Peroxide Oxidative Damage and Improves Mitochondrial Functionality. Molecules, 2014, 19, 7798-7816. | 1.7 | 87 |
| 22 | A Role for Differential Glycoconjugation in the Emission of Phenylpropanoid Volatiles from Tomato Fruit Discovered Using a Metabolic Data Fusion Approach. Plant Physiology, 2009, 152, 55-70. | 2.3 | 86 |
| 23 | Tyrosinase inhibition and antioxidant properties of Asphodelus microcarpus extracts. BMC Complementary and Alternative Medicine, 2016, 16, 453. | 3.7 | 82 |
| 24 | The potential of Ganoderma lucidum extracts as bioactive ingredients in topical formulations, beyond its nutritional benefits. Food and Chemical Toxicology, 2017, 108, 139-147. | 1.8 | 78 |
| 25 | Plant phenolics as functional food ingredients. Advances in Food and Nutrition Research, 2019, 90, 183-257. | 1.5 | 78 |
| 26 | Phenolic composition and antioxidant capacity of yellow and purple-red Ecuadorian cultivars of tree tomato (Solanum betaceum Cav.). Food Chemistry, 2016, 194, 1073-1080. | 4.2 | 69 |
| 27 | Effects of O-methylated metabolites of quercetin on oxidative stress, thermotolerance, lifespan and bioavailability on Caenorhabditis elegans. Food and Function, 2011, 2, 445. | 2.1 | 68 |
| 28 | Development of Mushroom-Based Cosmeceutical Formulations with Anti-Inflammatory, Anti-Tyrosinase, Antioxidant, and Antibacterial Properties. Molecules, 2016, 21, 1372. | 1.7 | 68 |
| 29 | Liquid chromatographicâ€“mass spectrometric analysis of anthocyanin composition of dark blue bee pollen from Echium plantagineum. Journal of Chromatography A, 2004, 1054, 205-210. | 1.8 | 65 |
| 30 | Simultaneous Immunoaffinity Column Cleanup and HPLC Analysis of Aflatoxins and Ochratoxin A in Spanish Bee Pollen. Journal of Agricultural and Food Chemistry, 2004, 52, 7235-7239. | 2.4 | 64 |
| 31 | Antioxidant properties of major metabolites of quercetin. European Food Research and Technology, 2011, 232, 103-111. | 1.6 | 64 |
| 32 | A new vinylpyranoanthocyanin pigment occurring in aged red wine. Food Chemistry, 2006, 97, 689-695. | 4.2 | 63 |
| 33 | Polyphenolic profile characterization ofAgrimonia eupatoria L. by HPLC with different detection devices. Biomedical Chromatography, 2006, 20, 88-94. | 0.8 | 58 |
| 34 | Extraction and Isolation of Phenolic Compounds. Methods in Molecular Biology, 2012, 864, 427-464. | 0.4 | 55 |
| 35 | Preparation of quercetin glucuronides and characterization by HPLCâ€“DADâ€“ESI/MS. European Food Research and Technology, 2008, 227, 1069-1076. | 1.6 | 54 |
| 36 | Preparation and Characterization of Catechin Sulfates, Glucuronides, and Methylethers with Metabolic Interest. Journal of Agricultural and Food Chemistry, 2009, 57, 1231-1238. | 2.4 | 54 |

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|---|---|---|---|
| 37 | Natural occurrence of free anthocyanin aglycones in beans (Phaseolus vulgaris L.). Food Chemistry, 2006, 94, 448-456. | 4.2 | 50 |
| 38 | Physicochemical characterization and microbiology of wheat and rye flours. Food Chemistry, 2019, 280, 123-129. | 4.2 | 50 |
| 39 | Novel approaches in anthocyanin research - Plant fortification and bioavailability issues. Trends in Food Science and Technology, 2021, 117, 92-105. | 7.8 | 50 |
| 40 | Geographical discrimination of honeys through the employment of sugar patterns and common chemical quality parameters. European Food Research and Technology, 2000, 210, 437-444. | 1.6 | 49 |
| 41 | Strawberry intake increases blood fluid, erythrocyte and mononuclear cell defenses against oxidative challenge. Food Chemistry, 2014, 156, 87-93. | 4.2 | 48 |
| 42 | Oxidative Status of Stressed Caenorhabditis elegans Treated with Epicatechin. Journal of Agricultural and Food Chemistry, 2012, 60, 8911-8916. | 2.4 | 47 |
| 43 | Influence of catechins and their methylated metabolites on lifespan and resistance to oxidative and thermal stress of Caenorhabditis elegans and epicatechin uptake. Food Research International, 2012, 46, 514-521. | 2.9 | 47 |
| 44 | Deglycosylation is a key step in biotransformation and lifespan effects of quercetin-3-O-glucoside in Caenorhabditis elegans. Pharmacological Research, 2013, 76, 41-48. | 3.1 | 47 |
| 45 | Doxorubicin-Induced Oxidative Stress in Rats Is Efficiently Counteracted by Dietary Anthocyanin Differently Enriched Strawberry (Fragaria Ã— ananassa Duch.). Journal of Agricultural and Food Chemistry, 2014, 62, 3935-3943. | 2.4 | 46 |
| 46 | Strawberry (cv. Romina) Methanolic Extract and Anthocyanin-Enriched Fraction Improve Lipid Profile and Antioxidant Status in HepG2 Cells. International Journal of Molecular Sciences, 2017, 18, 1149. | 1.8 | 45 |
| 47 | Study of Zalema Grape Pomace: Phenolic Composition and Biological Effects in Caenorhabditis elegans. Journal of Agricultural and Food Chemistry, 2013, 61, 5114-5121. | 2.4 | 44 |
| 48 | Strawberry consumption alleviates doxorubicin-induced toxicity by suppressing oxidative stress. Food and Chemical Toxicology, 2016, 94, 128-137. | 1.8 | 44 |
| 49 | Epicatechin modulates stress-resistance in C. elegans via insulin/IGF-1 signaling pathway. PLoS ONE, 2019, 14, e0199483. | 1.1 | 44 |
| 50 | Different cardiovascular protective effects of quercetin administered orally or intraperitoneally in spontaneously hypertensive rats. Food and Function, 2012, 3, 643. | 2.1 | 43 |
| 51 | Effectiveness of gamma and electron beam irradiation as preserving technologies of fresh Agaricus bisporus Portobello: A comparative study. Food Chemistry, 2019, 278, 760-766. | 4.2 | 42 |
| 52 | The Mechanisms Behind the Biological Activity of Flavonoids. Current Medicinal Chemistry, 2019, 26, 6976-6990. | 1.2 | 41 |
| 53 | Structural Characterization of New Malvidin 3-Glucosideâˆ'Catechin Aryl/Alkyl-Linked Pigments. Journal of Agricultural and Food Chemistry, 2004, 52, 5519-5526. | 2.4 | 40 |
| 54 | Flour fortification for nutritional and health improvement: A review. Food Research International, 2019, 125, 108576. | 2.9 | 38 |

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| 55 | The protective effect of acerola (Malpighia emarginata) against oxidative damage in human dermal fibroblasts through the improvement of antioxidant enzyme activity and mitochondrial functionality. Food and Function, 2017, 8, 3250-3258. | 2.1 | 36 |
| 56 | Phenolic acids, cinnamic acid, and ergosterol as cosmeceutical ingredients: Stabilization by microencapsulation to ensure sustained bioactivity. Microchemical Journal, 2019, 147, 469-477. | 2.3 | 36 |
| 57 | Formation of new anthocyanin-alkyl/aryl-flavanol pigments in model solutions. Analytica Chimica Acta, 2004, 513, 215-221. | 2.6 | 35 |
| 58 | New Flavanolâ^'Anthocyanin Condensed Pigments and Anthocyanin Composition in Guatemalan Beans (Phaseolusspp.). Journal of Agricultural and Food Chemistry, 2006, 54, 536-542. | 2.4 | 35 |
| 59 | Caenorhabditis elegans as a Model Organism to Evaluate the Antioxidant Effects of Phytochemicals. Molecules, 2020, 25, 3194. | 1.7 | 34 |
| 60 | Structural and chromatic characterization of a new Malvidin 3-glucosideâ€“vanillylâ€“catechin pigment. Food Chemistry, 2007, 102, 1344-1351. | 4.2 | 33 |
| 61 | Isolation and structural characterization of new anthocyanin-alkyl-catechin pigments. Food Chemistry, 2005, 90, 81-87. | 4.2 | 32 |
| 62 | Chemical Composition of Honey. , 2017, , 43-82. | | 32 |
| 63 | Characterization of Sulfated Quercetin and Epicatechin Metabolites. Journal of Agricultural and Food Chemistry, 2012, 60, 3592-3598. | 2.4 | 30 |
| 64 | Wine, Polyphenols, and Mediterranean Diets. What Else Is There to Say?. Molecules, 2021, 26, 5537. | 1.7 | 29 |
| 65 | Obtaining green extracts rich in phenolic compounds from underexploited food by-products using natural deep eutectic solvents. Opportunities and challenges. Sustainable Chemistry and Pharmacy, 2022, 29, 100773. | 1.6 | 28 |
| 66 | Current and future experimental approaches in the study of grape and wine polyphenols interacting gut microbiota. Journal of the Science of Food and Agriculture, 2020, 100, 3789-3802. | 1.7 | 27 |
| 67 | Honey quality parameters, chemical composition and antimicrobial activity in twelve Ecuadorian stingless bees (Apidae: Apinae: Meliponini) tested against multiresistant human pathogens. LWT - Food Science and Technology, 2021, 140, 110737. | 2.5 | 27 |
| 68 | Botanical origin of monovarietal dark honeys (from heather, holm oak, pyrenean oak and sweet) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2<br>Technology, 2007, 226, 87-92. | 1.6 | 25 |
| 69 | Bioactive compounds, phenolic profile, antioxidant capacity and effectiveness against lipid peroxidation of cell membranes of Mauritia flexuosa L. fruit extracts from three biomes in the Ecuadorian Amazon. Heliyon, 2020, 6, e05211. | 1.4 | 24 |
| 70 | Characterisation of polyphenols by HPLC-PAD-ESI/MS and antioxidant activity inEquisetum telmateia. Phytochemical Analysis, 2005, 16, 380-387. | 1.2 | 23 |
| 71 | A comparative study between conventional and non-conventional extraction techniques for the recovery of ergosterol from Agaricus blazei Murrill. Food Research International, 2019, 125, 108541. | 2.9 | 23 |
| 72 | Antioxidant Characterization and Biological Effects of Grape Pomace Extracts Supplementation in Caenorhabditis elegans. Foods, 2019, 8, 75. | 1.9 | 22 |

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|---|---|---|---|
| 73 | Sardinian honeys as sources of xanthine oxidase and tyrosinase inhibitors. Food Science and Biotechnology, 2018, 27, 139-146. | 1.2 | 21 |
| 74 | Anti-inflammatory effect of the medicinal herbal mixture infusion, Horchata, from southern Ecuador against LPS-induced cytotoxic damage in RAW 264.7 macrophages. Food and Chemical Toxicology, 2019, 131, 110594. | 1.8 | 20 |
| 75 | Exploring Target Genes Involved in the Effect of Quercetin on the Response to Oxidative Stress in Caenorhabditis elegans. Antioxidants, 2019, 8, 585. | 2.2 | 20 |
| 76 | Screening of Portisins (Vinylpyranoanthocyanin Pigments) in Port Wine by LC/DAD-MS. Food Science and Technology International, 2005, 11, 353-358. | 1.1 | 19 |
| 77 | A Pilot Study of the Photoprotective Effects of Strawberry-Based Cosmetic Formulations on Human Dermal Fibroblasts. International Journal of Molecular Sciences, 2015, 16, 17870-17884. | 1.8 | 19 |
| 78 | Phytochemical composition and the cholinesterase and xanthine oxidase inhibitory properties of seed extracts from the Washingtonia filifera palm fruit. RSC Advances, 2019, 9, 21278-21287. | 1.7 | 19 |
| 79 | Optimization of the capillary gas chromatographic analysis of mono- and oligosaccharides in honeys. Chromatographia, 1999, 50, 461-469. | 0.7 | 18 |
| 80 | Broad-range potential of Asphodelus microcarpus leaves extract for drug development. BMC Microbiology, 2017, 17, 159. | 1.3 | 18 |
| 81 | Mushroom-based cosmeceutical ingredients: Microencapsulation and in vitro release profile. Industrial Crops and Products, 2018, 124, 44-52. | 2.5 | 18 |
| 82 | Dietary and microbiome factors determine longevity in Caenorhabditis elegans. Aging, 2016, 8, 1513-1539. | 1.4 | 18 |
| 83 | Caffeic and Dihydrocaffeic Acids Promote Longevity and Increase Stress Resistance in Caenorhabditis elegans by Modulating Expression of Stress-Related Genes. Molecules, 2021, 26, 1517. | 1.7 | 16 |
| 84 | Flavan hetero-dimers in the Cymbopogon citratus infusion tannin fraction and their contribution to the antioxidant activity. Food and Function, 2015, 6, 932-937. | 2.1 | 15 |
| 85 | Anthocyanins. , 2019, , 10-21. | | 13 |
| 86 | Assessment of the In Vivo Antioxidant Activity of an Anthocyanin-Rich Bilberry Extract Using the Caenorhabditis elegans Model. Antioxidants, 2020, 9, 509. | 2.2 | 12 |
| 87 | In vitro antioxidant activity, Î±-glucosidase inhibitory potential and in vivo protective effect of Asparagus stipularis Forssk aqueous extract against high-fructose diet-induced metabolic syndrome in rats. Journal of Functional Foods, 2018, 47, 521-530. | 1.6 | 11 |
| 88 | Chemical composition and enzyme inhibition of Phytolacca dioica L. seeds extracts. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 519-527. | 2.5 | 11 |
| 89 | Preparation and Characterization of Protocatechuic Acid Sulfates. Molecules, 2019, 24, 307. | 1.7 | 11 |
| 90 | Revalorization of wild Asparagus stipularis Forssk. as a traditional vegetable with nutritional and functional properties. Food and Function, 2018, 9, 1578-1586. | 2.1 | 10 |

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|---|---|---|---|
| 91 | Phenolic Composition of Propolis. , 2017, , 99-111. | | 9 |
| 92 | Nutritional properties, identification of phenolic compounds, and enzyme inhibitory activities of Feijoa sellowiana leaves. Journal of Food Biochemistry, 2019, 43, e13012. | 1.2 | 8 |
| 93 | Influence of Calcium Silicate on the Chemical Properties of Pleurotus ostreatus var. florida (Jacq.) P. Kumm. Journal of Fungi (Basel, Switzerland), 2020, 6, 299. | 1.5 | 7 |
| 94 | Combined effects of irradiation and storage time on the nutritional and chemical parameters of dried Agaricus bisporus Portobello mushroom flour. Journal of Food Science, 2021, 86, 2276-2287. | 1.5 | 7 |
| 95 | Protective Effect of Quercetin 3-O-Glucuronide against Cisplatin Cytotoxicity in Renal Tubular Cells. Molecules, 2022, 27, 1319. | 1.7 | 7 |
| 96 | A multi-year survey of organic disinfection by-products in drinking waters of Castilla y LeÃ³n, Spain. The need and difficulty to comply with the legal limit of 2009. Journal of Environmental Monitoring, 2010, 12, 200-207. | 2.1 | 6 |
| 97 | In vitroevaluation of the antioxidant and anti-inflammatory activities of sulphated metabolites of catechins EvaluaciÃ³nin vitrode las actividades antioxidante y antiinflamatoria de metabolitos sulfatados de catequinas. CYTA - Journal of Food, 2011, 9, 257-264. | 0.9 | 6 |
| 98 | Protective effect of the medicinal herb infusion "horchata" against oxidative damage in cigarette smokers: An ex vivo study. Food and Chemical Toxicology, 2020, 143, 111538. | 1.8 | 6 |
| 99 | Roots and rhizomes of wild Asparagus: Nutritional composition, bioactivity and nanoencapsulation of the most potent extract. Food Bioscience, 2022, 45, 101334. | 2.0 | 6 |
| 100 | Disclosing the Antioxidant and Neuroprotective Activity of an Anthocyanin-Rich Extract from Sweet Cherry (Prunus avium L.) Using In Vitro and In Vivo Models. Antioxidants, 2022, 11, 211. | 2.2 | 6 |
| 101 | Antioxidant and Antimicrobial Influence on Oyster Mushrooms (Pleurotus ostreatus) from Substrate Supplementation of Calcium Silicate. Sustainability, 2021, 13, 5019. | 1.6 | 5 |
| 102 | Evaluation of antioxidant and tyrosinase inhibitory activities ofÂthe extracts of Sarcopoterium spinosum (L.) Spach fruits. Natural Product Research, 2017, 31, 2900-2904. | 1.0 | 4 |
| 103 | Baking Optimization as a Strategy to Extend Shelf-Life through the Enhanced Quality and Bioactive Properties of Pulse-Based Snacks. Molecules, 2020, 25, 3716. | 1.7 | 3 |
| 104 | A Case Study on Surplus Mushrooms Production: Extraction and Recovery of Vitamin D2. Agriculture (Switzerland), 2021, 11, 579. | 1.4 | 3 |
| 105 | Pechiche (Vitex cymosa Berteo ex Speng), a Nontraditional Fruit from Ecuador, is a Dietary Source of Phenolic Acids and Nutrient Minerals, in Addition to Efficiently Counteracting the Oxidative-Induced Damage in Human Dermal Fibroblasts. Antioxidants, 2020, 9, 109. | 2.2 | 2 |