

# Paula C Castilho

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

2,612  
citations

159525

30  
h-index

197736

49  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4088  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Identification and quantification of phenolic compounds of selected fruits from Madeira Island by HPLC-DAD-ESI-MSn and screening for their antioxidant activity. <i>Food Chemistry</i> , 2015, 173, 14-30.  | 4.2 | 178       |
| 2  | Technological Aspects of the Production of Fructo and Galacto-Oligosaccharides. Enzymatic Synthesis and Hydrolysis. <i>Frontiers in Nutrition</i> , 2019, 6, 78.  | 1.6 | 116       |
| 3  | Hydrolysis of Oligosaccharides Over Solid Acid Catalysts: A Review. <i>ChemSusChem</i> , 2014, 7, 1010-1019.  | 3.6 | 100       |
| 4  | Characterisation of phenolic acid derivatives and flavonoids from different morphological parts of <i>Helichrysum obconicum</i> by a RP-HPLC-DAD-ESI-MSn method. <i>Food Chemistry</i> , 2011, 129, 333-344.  | 4.2 | 91        |
| 5  | Antioxidant potential of <i>Artemisia argentea</i> L'Hér alcoholic extract and its relation with the phenolic composition. <i>Food Research International</i> , 2011, 44, 1620-1631.  | 2.9 | 89        |
| 6  | Characterization of phenolic compounds in <i>Helichrysum melaleucum</i> by high-performance liquid chromatography with on-line ultraviolet and mass spectrometry detection. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1851-1868.                             | 0.7 | 88        |
| 7  | An improved and fast UHPLC-PDA methodology for determination of L-ascorbic and dehydroascorbic acids in fruits and vegetables. Evaluation of degradation rate during storage. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1049-1058.                             | 1.9 | 86        |
| 8  | Targeting NF- $\kappa$ B signaling pathway in cancer by dietary polyphenols. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2790-2800.   | 5.4 | 84        |
| 9  | HPLC-ESI-MSn characterization of phenolic compounds, terpenoid saponins, and other minor compounds in <i>Bituminaria bituminosa</i> . <i>Industrial Crops and Products</i> , 2015, 69, 80-90.   | 2.5 | 82        |
| 10 | Evaluation of the antimicrobial and antioxidant activities of essential oils, extracts and their main components from oregano from Madeira Island, Portugal. <i>Food Control</i> , 2012, 23, 552-558.   | 2.8 | 81        |
| 11 | Phenolic composition and antioxidant capacity of cultivated artichoke, Madeira cardoon and artichoke-based dietary supplements. <i>Food Research International</i> , 2012, 48, 712-724.   | 2.9 | 78        |
| 12 | Evaluation of Asteraceae herbal extracts in the management of diabetes and obesity. Contribution of caffeoylquinic acids on the inhibition of digestive enzymes activity and formation of advanced glycation end-products (in vitro). <i>Phytochemistry</i> , 2017, 143, 29-35. | 1.4 | 69        |
| 13 | Determination of vitamin C in foods: Current state of method validation. <i>Journal of Chromatography A</i> , 2014, 1369, 2-17.   | 1.8 | 65        |
| 14 | Polyphenolic profile and antioxidant activities of Madeiran elderberry ( <i>Sambucus lanceolata</i> ) as affected by simulated in vitro digestion. <i>Food Research International</i> , 2017, 100, 404-410.   | 2.9 | 62        |
| 15 | Synergistic antimycobacterial activities of sesquiterpene lactones from <i>Laurus</i> spp.. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 548-552.   | 1.3 | 60        |
| 16 | Effect of time and temperature on vitamin C stability in horticultural extracts. UHPLC-PDA vs iodometric titration as analytical methods. <i>LWT - Food Science and Technology</i> , 2013, 50, 489-495.   | 2.5 | 57        |
| 17 | An attractive, sensitive and high-throughput strategy based on microextraction by packed sorbent followed by UHPLC-PDA analysis for quantification of hydroxybenzoic and hydroxycinnamic acids in wines. <i>Microchemical Journal</i> , 2013, 106, 129-138.                     | 2.3 | 56        |
| 18 | Fish Processing Industry Residues: A Review of Valuable Products Extraction and Characterization Methods. <i>Waste and Biomass Valorization</i> , 2020, 11, 3223-3246.  | 1.8 | 56        |

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|----|---|-----|-----------|
| 19 | Catalytic conversion of limonene over acid activated Serra de Dentro (SD) bentonite. Applied Catalysis A: General, 2007, 318, 108-120.  | 2.2 | 53        |
| 20 | <i>Myrica faya</i> : A New Source of Antioxidant Phytochemicals. Journal of Agricultural and Food Chemistry, 2014, 62, 9722-9735.   | 2.4 | 50        |
| 21 | Hypoglycemic, anti-glycation and antioxidant in vitro properties of two <i>Vaccinium</i> species from Macaronesia: A relation to their phenolic composition. Journal of Functional Foods, 2018, 40, 595-605.  | 1.6 | 49        |
| 22 | <i>Artemisia annua</i> L.: Essential oil and acetone extract composition and antioxidant capacity. Industrial Crops and Products, 2013, 45, 170-181.  | 2.5 | 48        |
| 23 | Evaluation of <i>Rubus grandifolius</i> L. (wild blackberries) activities targeting management of type-2 diabetes and obesity using in vitro models. Food and Chemical Toxicology, 2019, 123, 443-452.  | 1.8 | 44        |
| 24 | Inhibition of $\alpha$ -amylase, $\alpha$ -glucosidase and pancreatic lipase by phenolic compounds of <i>Rumex maderensis</i> (Madeira sorrel). Influence of simulated gastrointestinal digestion on hyperglycaemia-related damage linked with aldose reductase activity and protein glycation. LWT - Food Science and Technology, 2020, 118, 108727. | 2.5 | 42        |
| 25 | Analysis of phenolic compounds from different morphological parts of <i>Helichrysum devium</i> by liquid chromatography with online UV and electrospray ionization mass spectrometric detection. Rapid Communications in Mass Spectrometry, 2009, 23, 3939-3953.  | 0.7 | 41        |
| 26 | Quantification of artemisinin in <i>Artemisia annua</i> extracts by $^{13}\text{C}$ -NMR. Phytochemical Analysis, 2008, 19, 329-334.  | 1.2 | 39        |
| 27 | Antioxidant polyphenols of Madeira sorrel ( <i>Rumex maderensis</i> ): How do they survive to in vitro simulated gastrointestinal digestion?. Food Chemistry, 2018, 259, 105-112.   | 4.2 | 38        |
| 28 | Changes in the phenolic compositions of <i>Elaeagnus umbellata</i> and <i>Sambucus lanceolata</i> after in vitro gastrointestinal digestion and evaluation of their potential anti-diabetic properties. Food Research International, 2019, 122, 283-294.  | 2.9 | 38        |
| 29 | Composition and Acaricidal Activity of <i>Laurus novocanariensis</i> and <i>Laurus nobilis</i> Essential Oils Against <i>Psoroptes cuniculi</i> . Journal of Essential Oil Research, 2006, 18, 111-114.   | 1.3 | 36        |
| 30 | Analysis of phenolic compounds in leaves from endemic trees from Madeira Island. A contribution to the chemotaxonomy of Laurisilva forest species. Industrial Crops and Products, 2015, 64, 135-151.  | 2.5 | 32        |
| 31 | Validation of a HPLC-DAD-ESI/MSn method for caffeoylquinic acids separation, quantification and identification in medicinal <i>Helichrysum</i> species from Macaronesia. Food Research International, 2012, 45, 362-368.  | 2.9 | 30        |
| 32 | Recent advances in $\beta$ -galactosidase and fructosyltransferase immobilization technology. Critical Reviews in Food Science and Nutrition, 2021, 61, 2659-2690.  | 5.4 | 30        |
| 33 | Direct identification and quantitative determination of costunolide and dehydrocostuslactone in the fixed oil of <i>Laurus novocanariensis</i> by $^{13}\text{C}$ -NMR spectroscopy. Phytochemical Analysis, 2005, 16, 104-107.   | 1.2 | 28        |
| 34 | Polyanxanthone A, B and C, three xanthenes from the wood trunk of <i>Garcinia polyantha</i> Oliv.. Phytochemistry, 2008, 69, 1013-1017.   | 1.4 | 28        |
| 35 | Phenolic screening by HPLC-DAD-ESI/MSn and antioxidant capacity of leaves, flowers and berries of <i>Rubus grandifolius</i> Lowe. Industrial Crops and Products, 2015, 73, 28-40.   | 2.5 | 27        |
| 36 | Polyphenols of <i>Myrica faya</i> inhibit key enzymes linked to type II diabetes and obesity and formation of advanced glycation end-products (in vitro): Potential role in the prevention of diabetic complications. Food Research International, 2019, 116, 1229-1238.  | 2.9 | 27        |

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|----|---|-----|-----------|
| 37 | Influence of exchange cations on the catalytic conversion of limonene over Serra de Dentro (SD) and SAz-1 clays. <i>Applied Catalysis A: General</i> , 2006, 311, 172-184.  | 2.2 | 26        |
| 38 | Phenolic Profile, Toxicity, Enzyme Inhibition, In Silico Studies, and Antioxidant Properties of <i>Cakile maritima</i> Scop. (Brassicaceae) from Southern Portugal. <i>Plants</i> , 2020, 9, 142.   | 1.6 | 26        |
| 39 | <i>Ulex europaeus</i> : from noxious weed to source of valuable isoflavones and flavanones. <i>Industrial Crops and Products</i> , 2016, 90, 9-27.  | 2.5 | 25        |
| 40 | <i>Helichrysum monizii</i> Lowe: Phenolic Composition and Antioxidant Potential. <i>Phytochemical Analysis</i> , 2012, 23, 72-83.   | 1.2 | 24        |
| 41 | A Novel and Simpler Alkaline Hydrolysis Methodology for Extraction of Ferulic Acid from Brewer's Spent Grain and its (Partial) Purification through Adsorption in a Synthetic Resin. <i>Foods</i> , 2020, 9, 600.   | 1.9 | 23        |
| 42 | Composition and antimicrobial activity of the essential oil of <i>Clinopodium ascendens</i> (Jordan) Sampaio from Madeira. <i>Flavour and Fragrance Journal</i> , 2007, 22, 139-144.  | 1.2 | 22        |
| 43 | Autohydrolysis of <i>Annona cherimola</i> Mill. seeds: Optimization, modeling and products characterization. <i>Biochemical Engineering Journal</i> , 2015, 104, 2-9.   | 1.8 | 22        |
| 44 | Characterization of laurel fruit oil from Madeira Island, Portugal. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2005, 82, 863-868.  | 0.8 | 21        |
| 45 | Establishment of <i>Monstera deliciosa</i> fruit volatile metabolomic profile at different ripening stages using solid-phase microextraction combined with gas chromatography-mass spectrometry. <i>Food Research International</i> , 2015, 67, 409-417.                      | 2.9 | 21        |
| 46 | Phenolic profiles of Lauraceae plant species endemic to Laurisilva forest: A chemotaxonomic survey. <i>Industrial Crops and Products</i> , 2017, 107, 1-12.   | 2.5 | 17        |
| 47 | Characterization of phenolic compounds and antioxidant activity of ethanolic extracts from flowers of <i>Andryala glandulosa</i> ssp. <i>varia</i> (Lowe ex DC.) R.Fern., an endemic species of Macaronesia region. <i>Industrial Crops and Products</i> , 2013, 42, 573-582. | 2.5 | 16        |
| 48 | In vitro studies on the effect of watercress juice on digestive enzymes relevant to type 2 diabetes and obesity and antioxidant activity. <i>Journal of Food Biochemistry</i> , 2017, 41, e12335.   | 1.2 | 16        |
| 49 | Phytochemical Profile, Chemotaxonomic Studies, and In Vitro Antioxidant Activities of Two Endemisms from Madeira Archipelago: <i>Melanoselinum decipiens</i> and <i>Monizia edulis</i> (Apiaceae). <i>Chemistry and Biodiversity</i> , 2016, 13, 1290-1306.                   | 1.0 | 15        |
| 50 | Acid-modified clays as green catalysts for the hydrolysis of hemicellulosic oligosaccharides. <i>Catalysis Science and Technology</i> , 2015, 5, 4072-4080.   | 2.1 | 14        |
| 51 | Release of health-related compounds during in vitro gastro-intestinal digestion of okara and okara fermented with <i>Lactobacillus plantarum</i> . <i>Journal of Food Science and Technology</i> , 2020, 57, 1061-1070.   | 1.4 | 14        |
| 52 | Extraction and characterization of hydroxyapatite-based materials from grey triggerfish skin and black scabbardfish bones. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 235-243.  | 1.1 | 14        |
| 53 | In vitro and in vivo assessment of the effect of <i>Laurus novocanariensis</i> oil and essential oil in human skin. <i>International Journal of Cosmetic Science</i> , 2012, 34, 546-550.   | 1.2 | 13        |
| 54 | Using polyphenols as a relevant therapy to diabetes and its complications, a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8355-8387.   | 5.4 | 13        |

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|----|--|-----|-----------|
| 55 | Characterization of triacylglycerols in madeira laurel oil by HPLC-atmospheric pressure chemical ionization-MS. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2004, 81, 913-919.   | 0.8 | 12        |
| 56 | Selective methoxylation of $\alpha$ -pinene to $\alpha$ -terpinyl methyl ether over Al <sup>3+</sup> ion-exchanged clays. <i>Applied Catalysis A: General</i> , 2015, 489, 171-179.  | 2.2 | 12        |
| 57 | Antioxidant Capacity, Cytotoxicity and Antimycobacterial Activity of Madeira Archipelago Endemic Helichrysum Dietary and Medicinal Plants. <i>Antioxidants</i> , 2014, 3, 713-729.   | 2.2 | 11        |
| 58 | Characterization of <i>Annona cherimola</i> Mill. Seed Oil from Madeira Island: a Possible Biodiesel Feedstock. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 429-436.   | 0.8 | 10        |
| 59 | Selective methoxylation of limonene over ion-exchanged and acid-activated clays. <i>Applied Catalysis A: General</i> , 2013, 467, 38-46.   | 2.2 | 10        |
| 60 | Effects of hydroxycinnamic acids on the glycolysis pathway. <i>South African Journal of Botany</i> , 2019, 120, 219-229.   | 1.2 | 7         |
| 61 | Evaluation of the inorganic content of six underused wild berries from Portugal: Potential new sources of essential minerals. <i>Journal of Food Composition and Analysis</i> , 2017, 59, 153-160.   | 1.9 | 6         |
| 62 | Assessing the In Vitro Inhibitory Effects on Key Enzymes Linked to Type-2 Diabetes and Obesity and Protein Glycation by Phenolic Compounds of Lauraceae Plant Species Endemic to the Laurisilva Forest. <i>Molecules</i> , 2021, 26, 2023. | 1.7 | 6         |
| 63 | Madeira moneywort ( <i>Sibthorpia peregrina</i> L.) as a new source of verbascoside and its derivatives with potential phyto-pharmaceutical applications. <i>Natural Product Research</i> , 2019, 33, 3321-3325.                           | 1.0 | 4         |
| 64 | Evaluation of Fatty Acids Profile as a Useful Tool towards Valorization of By-Products of Agri-Food Industry. <i>Foods</i> , 2021, 10, 2867.   | 1.9 | 4         |
| 65 | Securidacaxanthonones B and C, xanthonones from <i>Securidaca longepedunculata</i> (Polygalaceae). <i>Planta Medica</i> , 2007, 73, .  | 0.7 | 3         |
| 66 | Infrared spectroscopic studies of hydrogen bonding in substituted nitrophenols: substituent and solvent effects. <i>Vibrational Spectroscopy</i> , 1992, 3, 167-180.   | 1.2 | 2         |
| 67 | Release of adsorbed ferulic acid in simulated gastrointestinal conditions. <i>European Food Research and Technology</i> , 2020, 246, 1297-1306.  | 1.6 | 2         |
| 68 | CHEMICAL COMPOSITION AND BIOACTIVITY OF ESSENTIAL OILS AND EXTRACTS FROM OREGANO FROM MADEIRA ISLAND, PORTUGAL. <i>Acta Horticulturae</i> , 2009, , 213-220.   | 0.1 | 1         |
| 69 | Porosity in ion-exchanged and acid activated clays evaluated using n-nonane pre-adsorption. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 238-247.  | 2.2 | 1         |
| 70 | Metabolic profiling and antibacterial activity of <i>Eryngium pristic</i> Cham. & Schtdl. - prospecting for its use in the treatment of bacterial infections. <i>Archives of Pharmacy and Pharmaceutical Sciences</i> , 2021, 5, 020-028.  | 0.1 | 1         |
| 71 | Preserving bacteria with oligosaccharides and eco-friendly processes (Premium). <i>Cryobiology</i> , 2018, 85, 172-173.  | 0.3 | 0         |
| 72 | PORTO SANTO CLAYS AS ENVIRONMENTALLY FRIENDLY CATALYSTS FOR THE CONVERSION OF RENEWABLE TERPENE FEEDSTOCKS. LIMONENE AROMATIZATION TO P-CYMENE. <i>Environmental Engineering and Management Journal</i> , 2006, 5, 275-284.                | 0.2 | 0         |

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|----|---|-----|-----------|
| 73 | Antimicrobial and antioxidant activity of <i>Helichrysum devium</i> Johns. from Madeira Archipelago. <i>Planta Medica</i> , 2007, 73, .                       | 0.7 | 0         |
| 74 | Bioactivity of <i>Mentha cervina</i> (Hortelã da Ribeira) from Southern Portugal. <i>Planta Medica</i> , 2008, 74, .  | 0.7 | 0         |
| 75 | In vitro antiproliferative activity of Xanthones and Guttiferones from <i>Securidaca</i> spp. <i>Planta Medica</i> , 2008, 74, .                              | 0.7 | 0         |
| 76 | Bioactive type A proanthocyanins from fungus <i>Laurobasidium lauri</i> . <i>Planta Medica</i> , 2016, 81, S1-S381.   | 0.7 | 0         |
| 77 | Endemic Asteraceae from Madeira archipelago: A relation of hypoglycemic activity to their polyphenolic composition. <i>Planta Medica</i> , 2016, 81, S1-S381. | 0.7 | 0         |
| 78 | Immobilization of $\beta$ -Galactosidase in Calcium Alginate Beads. , 2021, , 167-181.  |     | 0         |