

# Paula C Castilho

## List of Publications by Year in descending order

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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	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
2	Recent advances in Î²-galactosidase and fructosyltransferase immobilization technology. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2659-2690.	5.4	30
3	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
4	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
5	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
6	Metabolic profiling and antibacterial activity of <i>Eryngium pristic</i> Cham. & Schlttdl. - 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
7	Immobilization of Î²-Galactosidase in Calcium Alginate Beads. , 2021, , 167-181.		0
8	Inhibition of Î±-amylase, Î±-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. <i>LWT - Food Science and Technology</i> , 2020, 118, 108727.	2.5	42
9	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
10	Targeting NF-Î²B signaling pathway in cancer by dietary polyphenols. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2790-2800.	5.4	84
11	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
12	A Novel and Simpler Alkaline Hydrolysis Methodology for Extraction of Ferulic Acid from Brewerâ€™s Spent Grain and its (Partial) Purification through Adsorption in a Synthetic Resin. <i>Foods</i> , 2020, 9, 600.	1.9	23
13	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
14	Release of adsorbed ferulic acid in simulated gastrointestinal conditions. <i>European Food Research and Technology</i> , 2020, 246, 1297-1306.	1.6	2
15	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
16	Effects of hydroxycinnamic acids on the glycolysis pathway. <i>South African Journal of Botany</i> , 2019, 120, 219-229.	1.2	7
17	Technological Aspects of the Production of Fructo and Galacto-Oligosaccharides. <i>Enzymatic Synthesis and Hydrolysis</i> . <i>Frontiers in Nutrition</i> , 2019, 6, 78.	1.6	116
18	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. <i>Food Research International</i> , 2019, 122, 283-294.	2.9	38

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19	Evaluation of <i>Rubus grandifolius</i> L. (wild blackberries) activities targeting management of type-2 diabetes and obesity using in vitro models. <i>Food and Chemical Toxicology</i> , 2019, 123, 443-452.	1.8	44
20	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. <i>Food Research International</i> , 2019, 116, 1229-1238.	2.9	27
21	Hypoglycemic, anti-glycation and antioxidant in vitro properties of two <i>Vaccinium</i> species from Macaronesia: A relation to their phenolic composition. <i>Journal of Functional Foods</i> , 2018, 40, 595-605.	1.6	49
22	Antioxidant polyphenols of Madeira sorrel ( <i>Rumex maderensis</i> ): How do they survive to in vitro simulated gastrointestinal digestion?. <i>Food Chemistry</i> , 2018, 259, 105-112.	4.2	38
23	Preserving bacteria with oligosaccharides and eco-friendly processes (Premium). <i>Cryobiology</i> , 2018, 85, 172-173.	0.3	0
24	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
25	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
26	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
27	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
28	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
29	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
30	Phytochemical Profile, Chemotaxonomic Studies, and <i>In Vitro</i> 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
31	<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
32	Bioactive type A proanthocyanins from fungus <i>Laurobasidium lauri</i> . <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
33	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
34	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
35	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
36	Analysis of phenolic compounds in leaves from endemic trees from Madeira Island. A contribution to the chemotaxonomy of Laurisilva forest species. <i>Industrial Crops and Products</i> , 2015, 64, 135-151.	2.5	32

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37	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
38	Phenolic screening by HPLC-DAD-ESI/MSn and antioxidant capacity of leaves, flowers and berries of <i>Rubus grandifolius</i> Lowe. <i>Industrial Crops and Products</i> , 2015, 73, 28-40.	2.5	27
39	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
40	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
41	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
42	Antioxidant Capacity, Cytotoxicity and Antimycobacterial Activity of Madeira Archipelago Endemic <i>Helichrysum</i> Dietary and Medicinal Plants. <i>Antioxidants</i> , 2014, 3, 713-729.	2.2	11
43	Hydrolysis of Oligosaccharides Over Solid Acid Catalysts: A Review. <i>ChemSusChem</i> , 2014, 7, 1010-1019.	3.6	100
44	Determination of vitamin C in foods: Current state of method validation. <i>Journal of Chromatography A</i> , 2014, 1369, 2-17.	1.8	65
45	<i>Myrica faya</i> : A New Source of Antioxidant Phytochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9722-9735.	2.4	50
46	<i>Artemisia annua</i> L.: Essential oil and acetone extract composition and antioxidant capacity. <i>Industrial Crops and Products</i> , 2013, 45, 170-181.	2.5	48
47	Selective methoxylation of limonene over ion-exchanged and acid-activated clays. <i>Applied Catalysis A: General</i> , 2013, 467, 38-46.	2.2	10
48	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
49	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
50	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
51	<i>In vitro</i> and <i>in vivo</i> 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
52	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
53	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
54	Validation of a HPLC-DAD-ESI/MSn method for caffeoylquinic acids separation, quantification and identification in medicinal <i>Helichrysum</i> species from Macaronesia. <i>Food Research International</i> , 2012, 45, 362-368.	2.9	30

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55	<i>Helichrysum monizii</i> Lowe: Phenolic Composition and Antioxidant Potential. <i>Phytochemical Analysis</i> , 2012, 23, 72-83.	1.2	24
56	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
57	Antioxidant potential of <i>Artemisia argentea</i> L'Hôrt alcoholic extract and its relation with the phenolic composition. <i>Food Research International</i> , 2011, 44, 1620-1631.	2.9	89
58	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
59	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
60	Characterization of phenolic compounds in <i>Helichrysum melaleucum</i> by high-performance liquid chromatography with online ultraviolet and mass spectrometry detection. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1851-1868.	0.7	88
61	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. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3939-3953.	0.7	41
62	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
63	Polyanxanthone A, B and C, three xanthenes from the wood trunk of <i>Garcinia polyantha</i> Oliv.. <i>Phytochemistry</i> , 2008, 69, 1013-1017.	1.4	28
64	Quantification of artemisinin in <i>Artemisia annua</i> extracts by <sup>1</sup> H-NMR. <i>Phytochemical Analysis</i> , 2008, 19, 329-334.	1.2	39
65	Bioactivity of <i>Mentha cervina</i> (Hortelã da Ribeira) from Southern Portugal. <i>Planta Medica</i> , 2008, 74, .	0.7	0
66	In vitro antiproliferative activity of Xanthenes and Guttiferones from <i>Securidaca</i> spp. <i>Planta Medica</i> , 2008, 74, .	0.7	0
67	Synergistic antimycobacterial activities of sesquiterpene lactones from <i>Laurus</i> spp.. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 548-552.	1.3	60
68	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
69	Catalytic conversion of limonene over acid activated Serra de Dentro (SD) bentonite. <i>Applied Catalysis A: General</i> , 2007, 318, 108-120.	2.2	53
70	Securidacaxanthenes B and C, xanthenes from <i>Securidaca longepedunculata</i> (Polygalaceae). <i>Planta Medica</i> , 2007, 73, .	0.7	3
71	Antimycobacterial and antioxidant activity of <i>Helichrysum devium</i> Johns. from Madeira Archipelago. <i>Planta Medica</i> , 2007, 73, .	0.7	0
72	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

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73	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
74	PORTO SANTO CLAYS AS ENVIRONMENTALLY FRIENDLY CATALYSTS FOR THE CONVERSION OF RENEWABLE TERPENE FEEDSTOCKS. LIMONENE AROMATIZATION TO P-CYMENE. Environmental Engineering and Management Journal, 2006, 5, 275-284.	0.2	0
75	Characterization of laurel fruit oil from Madeira Island, Portugal. JAOCS, Journal of the American Oil Chemists' Society, 2005, 82, 863-868.	0.8	21
76	Direct identification and quantitative determination of costunolide and dehydrocostuslactone in the fixed oil of <i>Laurus novocanariensis</i> by <sup>13</sup> C-NMR spectroscopy. Phytochemical Analysis, 2005, 16, 104-107.	1.2	28
77	Characterization of triacylglycerols in madeira laurel oil by HPLC-atmospheric pressure chemical ionization-MS. JAOCS, Journal of the American Oil Chemists' Society, 2004, 81, 913-919.	0.8	12
78	Infrared spectroscopic studies of hydrogen bonding in substituted nitrophenols: substituent and solvent effects. Vibrational Spectroscopy, 1992, 3, 167-180.	1.2	2