

Claudia Nunes dos Santos

List of Publications by Citations

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120
papers

11,132
citations

39
h-index

105
g-index

132
ext. papers

13,724
ext. citations

5.6
avg. IF

5.64
L-index

#	Paper	IF	Citations
120	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
119	A standardised static in vitro digestion method suitable for food - an international consensus. <i>Food and Function</i> , 2014 , 5, 1113-24	6.1	2421
118	INFOGEST static in vitro simulation of gastrointestinal food digestion. <i>Nature Protocols</i> , 2019 , 14, 991-1018	10.8	706
117	In Vitro Models for Studying Secondary Plant Metabolite Digestion and Bioaccessibility. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014 , 13, 413-436	16.4	204
116	Isoquercitrin: pharmacology, toxicology, and metabolism. <i>Food and Chemical Toxicology</i> , 2014 , 68, 267-82	4.7	203
115	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
114	The role of plant defence proteins in fungal pathogenesis. <i>Molecular Plant Pathology</i> , 2007 , 8, 677-700	5.7	182
113	Mind the gap-deficits in our knowledge of aspects impacting the bioavailability of phytochemicals and their metabolites--a position paper focusing on carotenoids and polyphenols. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1307-23	5.9	171
112	The harmonized INFOGEST in vitro digestion method: From knowledge to action. <i>Food Research International</i> , 2016 , 88, 217-225	7	132
111	Polyphenols journey through blood-brain barrier towards neuronal protection. <i>Scientific Reports</i> , 2017 , 7, 11456	4.9	114
110	Understanding the gastrointestinal tract of the elderly to develop dietary solutions that prevent malnutrition. <i>Oncotarget</i> , 2015 , 6, 13858-98	3.3	113
109	Bioavailability of Quercetin in Humans with a Focus on Interindividual Variation. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018 , 17, 714-731	16.4	107
108	Identification and quantification of novel cranberry-derived plasma and urinary (poly)phenols. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 599, 31-41	4.1	96
107	Phosphorylation modulates clearance of alpha-synuclein inclusions in a yeast model of Parkinson's disease. <i>PLoS Genetics</i> , 2014 , 10, e1004302	6	95
106	Dairy products and inflammation: A review of the clinical evidence. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 2497-2525	11.5	91
105	Biosafety, antioxidant status, and metabolites in urine after consumption of dried cranberry juice in healthy women: a pilot double-blind placebo-controlled trial. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 3217-24	5.7	91
104	Phenolic sulfates as new and highly abundant metabolites in human plasma after ingestion of a mixed berry fruit purée. <i>British Journal of Nutrition</i> , 2015 , 113, 454-63	3.6	89

103	Neuroprotective effect of blackberry (<i>Rubus</i> sp.) polyphenols is potentiated after simulated gastrointestinal digestion. <i>Food Chemistry</i> , 2012 , 131, 1443-1452	8.5	88
102	The silymarin composition and why does it matter???. <i>Food Research International</i> , 2017 , 100, 339-353	7	74
101	Antioxidant properties and neuroprotective capacity of strawberry tree fruit (<i>Arbutus unedo</i>). <i>Nutrients</i> , 2010 , 2, 214-29	6.7	72
100	Cranberry (poly)phenol metabolites correlate with improvements in vascular function: A double-blind, randomized, controlled, dose-response, crossover study. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2130-2140	5.9	70
99	"Sweet Flavonoids": Glycosidase-Catalyzed Modifications. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	69
98	Urinary metabolite profiling identifies novel colonic metabolites and conjugates of phenolics in healthy volunteers. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1414-25	5.9	63
97	Polyphenols Beyond Barriers: A Glimpse into the Brain. <i>Current Neuropharmacology</i> , 2017 , 15, 562-594	7.6	63
96	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. <i>Free Radical Biology and Medicine</i> , 2016 , 90, 114-25	7.8	62
95	Galloylation of polyphenols alters their biological activity. <i>Food and Chemical Toxicology</i> , 2017 , 105, 223-240	7.4	56
94	Fungal Pathogens: The Battle for Plant Infection. <i>Critical Reviews in Plant Sciences</i> , 2006 , 25, 505-524	5.6	55
93	(Poly)phenols protect from β -synuclein toxicity by reducing oxidative stress and promoting autophagy. <i>Human Molecular Genetics</i> , 2015 , 24, 1717-32	5.6	54
92	Neuroprotective effects of digested polyphenols from wild blackberry species. <i>European Journal of Nutrition</i> , 2013 , 52, 225-36	5.2	53
91	The biological and chemical variability of yacon. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 1347-52	5.7	51
90	Antioxidant activity of extracts from the leaves of <i>Smallanthus sonchifolius</i> . <i>European Journal of Nutrition</i> , 2003 , 42, 61-6	5.2	49
89	Analysis of phenolic compounds in Portuguese wild and commercial berries after multienzyme hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4053-62	5.7	47
88	Worldwide (poly)phenol intake: assessment methods and identified gaps. <i>European Journal of Nutrition</i> , 2017 , 56, 1393-1408	5.2	46
87	Maca (<i>Lepidium meyenii</i>) and yacon (<i>Smallanthus sonchifolius</i>) in combination with silymarin as food supplements: in vivo safety assessment. <i>Food and Chemical Toxicology</i> , 2008 , 46, 1006-13	4.7	45
86	From the baker to the bedside: yeast models of Parkinson's disease. <i>Microbial Cell</i> , 2015 , 2, 262-279	3.9	44

85	Seed Proteins of <i>Lupinus mutabilis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 3821-3825	5.7	42
84	Radical scavenging and anti-lipoperoxidative activities of <i>Smallanthus sonchifolius</i> leaf extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 5577-82	5.7	42
83	Bioaccessible (poly)phenol metabolites from raspberry protect neural cells from oxidative stress and attenuate microglia activation. <i>Food Chemistry</i> , 2017 , 215, 274-83	8.5	40
82	Comparison of different methods for DNA-free RNA isolation from SK-N-MC neuroblastoma. <i>BMC Research Notes</i> , 2011 , 4, 3	2.3	39
81	Antioxidant capacity of Macaronesian traditional medicinal plants. <i>Molecules</i> , 2010 , 15, 2576-92	4.8	37
80	Contribution of Yap1 towards <i>Saccharomyces cerevisiae</i> adaptation to arsenic-mediated oxidative stress. <i>Biochemical Journal</i> , 2008 , 414, 301-11	3.8	36
79	Antioxidant and antiproliferative properties of strawberry tree tissues. <i>Journal of Berry Research</i> , 2010 , 1, 3-12	2	35
78	5-(Hydroxyphenyl)- γ -Valerolactone-Sulfate, a Key Microbial Metabolite of Flavan-3-ols, Is Able to Reach the Brain: Evidence from Different In Vitro and In Vivo Experimental Models. <i>Nutrients</i> , 2019 , 11,	6.7	32
77	Low-Molecular Weight Metabolites from Polyphenols as Effectors for Attenuating Neuroinflammation. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1790-1807	5.7	31
76	Analysis of phenolic acids in plant materials using HPLC with amperometric detection at a platinum tubular electrode. <i>Journal of Separation Science</i> , 2003 , 26, 739-742	3.4	30
75	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. <i>Advanced Drug Delivery Reviews</i> , 2021 , 171, 289-331	18.5	30
74	Defying Multidrug Resistance! Modulation of Related Transporters by Flavonoids and Flavonolignans. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1763-1779	5.7	28
73	Silychristin: Skeletal Alterations and Biological Activities. <i>Journal of Natural Products</i> , 2016 , 79, 3086-3092	4.9	26
72	Brain uptake of hydroxytyrosol and its main circulating metabolites: Protective potential in neuronal cells. <i>Journal of Functional Foods</i> , 2018 , 46, 110-117	5.1	26
71	Exploring the power of yeast to model aging and age-related neurodegenerative disorders. <i>Biogerontology</i> , 2017 , 18, 3-34	4.5	26
70	Protective Effect of a (Poly)phenol-Rich Extract Derived from Sweet Cherries Culls against Oxidative Cell Damage. <i>Molecules</i> , 2016 , 21, 406	4.8	26
69	Dietary Polyphenols Targeting Arterial Stiffness: Interplay of Contributing Mechanisms and Gut Microbiome-Related Metabolism. <i>Nutrients</i> , 2019 , 11,	6.7	25
68	The neuroprotective potential of phenolic-enriched fractions from four <i>Juniperus</i> species found in Portugal. <i>Food Chemistry</i> , 2012 , 135, 562-70	8.5	25

67	Blood-brain barrier transport and neuroprotective potential of blackberry-digested polyphenols: an in vitro study. <i>European Journal of Nutrition</i> , 2019 , 58, 113-130	5.2	25
66	Silibinin and its 2,3-dehydro-derivative inhibit basal cell carcinoma growth via suppression of mitogenic signaling and transcription factors activation. <i>Molecular Carcinogenesis</i> , 2016 , 55, 3-14	5	23
65	Induction of glucokinase mRNA by dietary phenolic compounds in rat liver cells in vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7726-31	5.7	23
64	Enzymatic oxidative dimerization of silymarin flavonolignans. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 109, 24-30		22
63	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. <i>European Journal of Nutrition</i> , 2020 , 59, 1329-1343	5.2	21
62	Yap1 mediates tolerance to cobalt toxicity in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 1977-86	4	21
61	Chemo-enzymatic synthesis of silybin and 2,3-dehydrosilybin dimers. <i>Molecules</i> , 2014 , 19, 4115-34	4.8	19
60	Exposure of <i>Lemna minor</i> to arsenite: expression levels of the components and intermediates of the ubiquitin/proteasome pathway. <i>Plant and Cell Physiology</i> , 2006 , 47, 1262-73	4.9	19
59	Novel flavonolignan hybrid antioxidants: From enzymatic preparation to molecular rationalization. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 263-274	6.8	18
58	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	18
57	Prokaryotic and Eukaryotic Aryl Sulfotransferases: Sulfation of Quercetin and Its Derivatives. <i>ChemCatChem</i> , 2015 , 7, 3152-3162	5.2	17
56	Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota. <i>Nutrients</i> , 2019 , 11,	6.7	17
55	Biosafety and antioxidant effects of a beverage containing silymarin and arginine. A pilot, human intervention cross-over trial. <i>Food and Chemical Toxicology</i> , 2013 , 56, 178-83	4.7	17
54	Identification and Microbial Production of the Raspberry Phenol Salidroside that Is Active against Huntington@ Disease. <i>Plant Physiology</i> , 2019 , 179, 969-985	6.6	17
53	(Anti)mutagenic and immunomodulatory properties of quercetin glycosides. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 1492-9	4.3	16
52	Antioxidant, Anti-Inflammatory, and Multidrug Resistance Modulation Activity of Silychristin Derivatives. <i>Antioxidants</i> , 2019 , 8,	7.1	15
51	The Stoichiometry of Isoquercitrin Complex with Iron or Copper Is Highly Dependent on Experimental Conditions. <i>Nutrients</i> , 2017 , 9,	6.7	15
50	Isoquercitrin Esters with Mono- or Dicarboxylic Acids: Enzymatic Preparation and Properties. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	14

49	RNA-seq, de novo transcriptome assembly and flavonoid gene analysis in 13 wild and cultivated berry fruit species with high content of phenolics. <i>BMC Genomics</i> , 2019 , 20, 995	4.5	13
48	Chemical characterization and bioactivity of phytochemicals from Iberian endemic <i>Santolina semidentata</i> and strategies for ex situ propagation. <i>Industrial Crops and Products</i> , 2015 , 74, 505-513	5.9	12
47	Massive dissemination of a SARS-CoV-2 Spike Y839 variant in Portugal. <i>Emerging Microbes and Infections</i> , 2020 , 9, 2488-2496	18.9	12
46	BachBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. <i>Phytochemistry Reviews</i> , 2018 , 17, 291-326	7.7	12
45	(Poly)phenol-digested metabolites modulate alpha-synuclein toxicity by regulating proteostasis. <i>Scientific Reports</i> , 2018 , 8, 6965	4.9	12
44	Synthesis and Antiradical Activity of Isoquercitrin Esters with Aromatic Acids and Their Homologues. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	12
43	Low Molecular Weight (poly)Phenol Metabolites Across the Blood-Brain Barrier: The Underexplored Journey. <i>Brain Plasticity</i> , 2021 , 6, 193-214	3.5	12
42	<i>Smallanthus sonchifolius</i> and <i>Lepidium meyenii</i> - prospective Andean crops for the prevention of chronic diseases. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;</i> , <i>Olomouc, Czechoslovakia</i> , 2003 , 147, 119-30	1.7	12
41	(Poly)phenol metabolites from <i>Arbutus unedo</i> leaves protect yeast from oxidative injury by activation of antioxidant and protein clearance pathways. <i>Journal of Functional Foods</i> , 2017 , 32, 333-346	5.1	11
40	Phytochemical Composition and Cytotoxic Effects on Liver Hepatocellular Carcinoma Cells of Different Berries Following a Simulated In Vitro Gastrointestinal Digestion. <i>Molecules</i> , 2018 , 23,	4.8	11
39	Bioactive compounds from endemic plants of Southwest Portugal: inhibition of acetylcholinesterase and radical scavenging activities. <i>Pharmaceutical Biology</i> , 2012 , 50, 239-46	3.8	11
38	Effects of 2,3-Dehydrosilybin and Its Galloyl Ester and Methyl Ether Derivatives on Human Umbilical Vein Endothelial Cells. <i>Journal of Natural Products</i> , 2016 , 79, 812-20	4.9	10
37	Systematic bioinformatic analysis of nutrigenomic data of flavanols in cell models of cardiometabolic disease. <i>Food and Function</i> , 2020 , 11, 5040-5064	6.1	10
36	Synthesis of New Sulfated and Glucuronated Metabolites of Dietary Phenolic Compounds Identified in Human Biological Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6460-6466	5.7	9
35	Biotransformation of Silymarin Flavonolignans by Human Fecal Microbiota. <i>Metabolites</i> , 2020 , 10,	5.6	9
34	Daily polyphenol intake from fresh fruits in Portugal: contribution from berry fruits. <i>International Journal of Food Sciences and Nutrition</i> , 2013 , 64, 1022-9	3.7	9
33	Inhibition of Yap2 activity by MAPKAP kinase Rck1 affects yeast tolerance to cadmium. <i>FEBS Letters</i> , 2015 , 589, 2841-9	3.8	8
32	Pure Polyphenols Applications for Cardiac Health and Disease. <i>Current Pharmaceutical Design</i> , 2018 , 24, 2137-2156	3.3	8

31	Sesquiterpene Lactones: Promising Natural Compounds to Fight Inflammation. <i>Pharmaceutics</i> , 2021 , 13,	6.4	8
30	CSRP3 mediates polyphenols-induced cardioprotection in hypertension. <i>Journal of Nutritional Biochemistry</i> , 2019 , 66, 29-42	6.3	8
29	Cranberry extract-enriched diets increase NAD(P)H:quinone oxidoreductase and catalase activities in obese but not in nonobese mice. <i>Nutrition Research</i> , 2015 , 35, 901-909	4	7
28	Valuing the Endangered Species <i>Antirrhinum lopesianum</i> : Neuroprotective Activities and Strategies for in vitro Plant Propagation. <i>Antioxidants</i> , 2013 , 2, 273-92	7.1	7
27	Elucidating phytochemical production in <i>Juniperus</i> sp.: seasonality and response to stress situations. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4044-52	5.7	6
26	Evaluation of potential of gamma radiation as a conservation treatment for blackberry fruits. <i>Journal of Berry Research</i> , 2013 , 3, 93-102	2	6
25	Polyphenols, their Metabolites and Derivatives as Drug Leads. <i>Current Pharmaceutical Design</i> , 2018 , 24, 2188-2207	3.3	6
24	Overview of Beneficial Effects of (Poly)phenol Metabolites in the Context of Neurodegenerative Diseases on Model Organisms. <i>Nutrients</i> , 2021 , 13,	6.7	6
23	Phycocyanin protects against Alpha-Synuclein toxicity in yeast. <i>Journal of Functional Foods</i> , 2017 , 38, 553-560	5.1	5
22	Personalized nutrition in ageing society: redox control of major-age related diseases through the NutRedOx Network (COST Action CA16112). <i>Free Radical Research</i> , 2019 , 53, 1163-1170	4	5
21	Chemoenzymatic Synthesis and Radical Scavenging of Sulfated Hydroxytyrosol, Tyrosol, and Acetylated Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7281-7288	5.7	5
20	Berry fruits modulate kidney dysfunction and urine metabolome in Dahl salt-sensitive rats. <i>Free Radical Biology and Medicine</i> , 2020 , 154, 119-131	7.8	5
19	Bioprospection of Natural Sources of Polyphenols with Therapeutic Potential for Redox-Related Diseases. <i>Antioxidants</i> , 2020 , 9,	7.1	5
18	Phenolic Metabolites Modulate Cardiomyocyte Beating in Response to Isoproterenol. <i>Cardiovascular Toxicology</i> , 2019 , 19, 156-167	3.4	5
17	EN-Acetylhexosaminidase involvement in Ectoglutin mobilization in <i>Lupinus albus</i> . <i>Journal of Plant Physiology</i> , 2013 , 170, 1047-56	3.6	4
16	Bioaccessible Raspberry Extracts Enriched in Ellagitannins and Ellagic Acid Derivatives Have Anti-Neuroinflammatory Properties. <i>Antioxidants</i> , 2020 , 9,	7.1	4
15	Missing pieces in protein deposition and mobilization inside legume seed storage vacuoles: calcium and magnesium ions. <i>Seed Science Research</i> , 2012 , 22, 249-258	1.3	3
14	Assessing the Intestinal Permeability and Anti-Inflammatory Potential of Sesquiterpene Lactones from Chicory. <i>Nutrients</i> , 2020 , 12,	6.7	3

13	The synthetic cannabinoid JWH-018 modulates <i>Saccharomyces cerevisiae</i> energetic metabolism. <i>FEMS Yeast Research</i> , 2019 , 19,	3.1	2
12	Carbon monoxide released by CORM-A1 prevents yeast cell death via autophagy stimulation. <i>FEMS Yeast Research</i> , 2019 , 19,	3.1	2
11	Heterologous Expression of Immature Forms of Human Islet Amyloid Polypeptide in Yeast Triggers Intracellular Aggregation and Cytotoxicity. <i>Frontiers in Microbiology</i> , 2020 , 11, 2035	5.7	2
10	Supercritical CO Extraction as a Tool to Isolate Anti-Inflammatory Sesquiterpene Lactones from L. Roots. <i>Molecules</i> , 2021 , 26,	4.8	2
9	A Dietary Cholesterol-Based Intestinal Inflammation Assay for Improving Drug-Discovery on Inflammatory Bowel Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 674749	5.7	2
8	Small Molecule Fisetin Modulates Alpha-Synuclein Aggregation. <i>Molecules</i> , 2021 , 26,	4.8	2
7	Continuous Diastereomeric Kinetic Resolution Bilybins A and B. <i>Catalysts</i> , 2021 , 11, 1106	4	2
6	Protective Effects of Dietary Polyphenols on Arterial Stiffness. <i>Proceedings (mdpi)</i> , 2019 , 11, 40	0.3	1
5	Polyphenol Metabolite Pyrogallol--Sulfate Decreases Microglial Activation and VEGF in Retinal Pigment Epithelium Cells and Diabetic Mouse Retina. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
4	Flavonoids as Potential Drugs for -Dependent Rare Neurodegenerative Diseases. <i>Genes</i> , 2020 , 11,	4.2	1
3	Circulating (poly)phenol Metabolites: Neuroprotection in a 3D Cell Model of Parkinson@ Disease.. <i>Molecular Nutrition and Food Research</i> , 2021 , e2100959	5.9	0
2	Flavonols and Flavones 2020 , 163-198		
1	Second Food Bioactives and Health Conference. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1761-1762	5.7	