

Jose Miguel Alvarez Suarez

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

6,500
citations

71102

41
h-index

66911

78
g-index

91
all docs

91
docs citations

91
times ranked

7365
citing authors

#	ARTICLE	IF	CITATIONS
1	The strawberry: Composition, nutritional quality, and impact on human health. <i>Nutrition</i> , 2012, 28, 9-19.	2.4	695
2	Antioxidant and antimicrobial capacity of several monofloral Cuban honeys and their correlation with color, polyphenol content and other chemical compounds. <i>Food and Chemical Toxicology</i> , 2010, 48, 2490-2499.	3.6	341
3	Contribution of honey in nutrition and human health: a review. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2010, 3, 15-23.	0.5	311
4	One-month strawberry-rich anthocyanin supplementation ameliorates cardiovascular risk, oxidative stress markers and platelet activation in humans. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 289-294.	4.2	286
5	The Composition and Biological Activity of Honey: A Focus on Manuka Honey. <i>Foods</i> , 2014, 3, 420-432.	4.3	267
6	Strawberry and Human Health: Effects beyond Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3867-3876.	5.2	265
7	Strawberry as a health promoter: an evidence based review. <i>Food and Function</i> , 2015, 6, 1386-1398.	4.6	255
8	Dietary polyphenols: Structures, bioavailability and protective effects against atherosclerosis. <i>Food and Chemical Toxicology</i> , 2018, 113, 49-65.	3.6	214
9	Honey as a Source of Dietary Antioxidants: Structures, Bioavailability and Evidence of Protective Effects Against Human Chronic Diseases. <i>Current Medicinal Chemistry</i> , 2013, 20, 621-638.	2.4	210
10	The effects of bioactive compounds from plant foods on mitochondrial function: A focus on apoptotic mechanisms. <i>Food and Chemical Toxicology</i> , 2014, 68, 154-182.	3.6	171
11	Strawberry Polyphenols Attenuate Ethanol-Induced Gastric Lesions in Rats by Activation of Antioxidant Enzymes and Attenuation of MDA Increase. <i>PLoS ONE</i> , 2011, 6, e25878.	2.5	166
12	Anti-inflammatory effect of strawberry extract against LPS-induced stress in RAW 264.7 macrophages. <i>Food and Chemical Toxicology</i> , 2017, 102, 1-10.	3.6	150
13	Phenolics from monofloral honeys protect human erythrocyte membranes against oxidative damage. <i>Food and Chemical Toxicology</i> , 2012, 50, 1508-1516.	3.6	134
14	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. <i>Journal of Functional Foods</i> , 2016, 25, 38-49.	3.4	132
15	The genetic aspects of berries: from field to health. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 365-371.	3.5	124
16	An anthocyanin-rich strawberry extract protects against oxidative stress damage and improves mitochondrial functionality in human dermal fibroblasts exposed to an oxidizing agent. <i>Food and Function</i> , 2014, 5, 1939.	4.6	105
17	<i>Apis mellifera</i> vs <i>Melipona beecheii</i> Cuban polyfloral honeys: A comparison based on their physicochemical parameters, chemical composition and biological properties. <i>LWT - Food Science and Technology</i> , 2018, 87, 272-279.	5.2	101
18	Strawberry consumption improves aging-associated impairments, mitochondrial biogenesis and functionality through the AMP-activated protein kinase signaling cascade. <i>Food Chemistry</i> , 2017, 234, 464-471.	8.2	98

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19	Antioxidant Characterization of Native Monofloral Cuban Honey. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9817-9824.	5.2	97
20	Photoprotective Potential of Strawberry (<i>Fragaria</i> — <i>ananassa</i>) Extract against UV-A Irradiation Damage on Human Fibroblasts. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2322-2327.	5.2	94
21	Overexpression of the Anthocyanidin Synthase Gene in Strawberry Enhances Antioxidant Capacity and Cytotoxic Effects on Human Hepatic Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 581-592.	5.2	93
22	Strawberry consumption improves plasma antioxidant status and erythrocyte resistance to oxidative haemolysis in humans. <i>Food Chemistry</i> , 2011, 128, 180-186.	8.2	89
23	Comparative analysis of antioxidant activity of honey of different floral sources using recently developed polarographic and various spectrophotometric assays. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 13-18.	3.9	88
24	Polyphenol-Rich Strawberry Extract Protects Human Dermal Fibroblasts against Hydrogen Peroxide Oxidative Damage and Improves Mitochondrial Functionality. <i>Molecules</i> , 2014, 19, 7798-7816.	3.8	87
25	Methodological Aspects about Determination of Phenolic Compounds and In Vitro Evaluation of Antioxidant Capacity in the Honey: A Review. <i>Current Analytical Chemistry</i> , 2009, 5, 293-302.	1.2	85
26	Green Synthesis of Silver Nanoparticles Using <i>Astragalus tribuloides</i> Delile. Root Extract: Characterization, Antioxidant, Antibacterial, and Anti-Inflammatory Activities. <i>Nanomaterials</i> , 2020, 10, 2383.	4.1	79
27	Polyphenol-rich strawberry extract (PRSE) shows in vitro and in vivo biological activity against invasive breast cancer cells. <i>Scientific Reports</i> , 2016, 6, 30917.	3.3	78
28	AMPK as a New Attractive Therapeutic Target for Disease Prevention: The Role of Dietary Compounds AMPK and Disease Prevention. <i>Current Drug Targets</i> , 2016, 17, 865-889.	2.1	74
29	The potential impact of strawberry on human health. <i>Natural Product Research</i> , 2013, 27, 448-455.	1.8	73
30	Can Coenzyme Q ₁₀ Improve Clinical and Molecular Parameters in Fibromyalgia?. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1356-1361.	5.4	66
31	Bee Products: An Emblematic Example of Underutilized Sources of Bioactive Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6833-6848.	5.2	62
32	The reciprocal interaction between polyphenols and other dietary compounds: Impact on bioavailability, antioxidant capacity and other physico-chemical and nutritional parameters. <i>Food Chemistry</i> , 2022, 375, 131904.	8.2	55
33	Bee Products - Chemical and Biological Properties. , 2017, , .		52
34	Eucalyptus honey: Quality parameters, chemical composition and health-promoting properties. <i>Food Chemistry</i> , 2020, 325, 126870.	8.2	51
35	Novel approaches in anthocyanin research - Plant fortification and bioavailability issues. <i>Trends in Food Science and Technology</i> , 2021, 117, 92-105.	15.1	50
36	Lipophilic antioxidants prevent lipopolysaccharide-induced mitochondrial dysfunction through mitochondrial biogenesis improvement. <i>Pharmacological Research</i> , 2015, 91, 1-8.	7.1	49

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37	Strawberry intake increases blood fluid, erythrocyte and mononuclear cell defenses against oxidative challenge. <i>Food Chemistry</i> , 2014, 156, 87-93.	8.2	48
38	Isolation of strawberry anthocyanin-rich fractions and their mechanisms of action against murine breast cancer cell lines. <i>Food and Function</i> , 2019, 10, 7103-7120.	4.6	48
39	Doxorubicin-Induced Oxidative Stress in Rats Is Efficiently Counteracted by Dietary Anthocyanin Differently Enriched Strawberry (<i>Fragaria</i> — <i>Ananassa</i> Duch.). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3935-3943.	5.2	46
40	Comparison of the Antimicrobial Activities of Four Honeys From Three Countries (New Zealand, Cuba,) <i>TJ ETQq0 0 0 rgBT /Overlock 10 T</i>	3.9	46
41	Radical-scavenging Activity, Protective Effect Against Lipid Peroxidation and Mineral Contents of Monofloral Cuban Honeys. <i>Plant Foods for Human Nutrition</i> , 2012, 67, 31-38.	3.2	45
42	Strawberry consumption alleviates doxorubicin-induced toxicity by suppressing oxidative stress. <i>Food and Chemical Toxicology</i> , 2016, 94, 128-137.	3.6	44
43	Anti-inflammatory effect of Capuli cherry against LPS-induced cytotoxic damage in RAW 264.7 macrophages. <i>Food and Chemical Toxicology</i> , 2017, 102, 46-52.	3.6	44
44	The protective effect of acerola (<i>Malpighia emarginata</i>) against oxidative damage in human dermal fibroblasts through the improvement of antioxidant enzyme activity and mitochondrial functionality. <i>Food and Function</i> , 2017, 8, 3250-3258.	4.6	36
45	Physicochemical parameters, chemical composition, antioxidant capacity, microbial contamination and antimicrobial activity of <i>Eucalyptus</i> honey from the Andean region of Ecuador. <i>Journal of Apicultural Research</i> , 2018, 57, 382-394.	1.5	36
46	Contribution of honey in nutrition and human health: a review. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2009, 3, 15-23.	0.5	35
47	The effects of pre-harvest and post-harvest factors on the nutritional quality of strawberry fruits: A review. <i>Journal of Berry Research</i> , 2014, 4, 1-10.	1.4	35
48	Andean berries from Ecuador: A review on Botany, Agronomy, Chemistry and Health Potential. <i>Journal of Berry Research</i> , 2015, 5, 49-69.	1.4	34
49	Influence of Botanical Origin and Chemical Composition on the Protective Effect against Oxidative Damage and the Capacity to Reduce In Vitro Bacterial Biofilms of Monofloral Honeys from the Andean Region of Ecuador. <i>International Journal of Molecular Sciences</i> , 2018, 19, 45.	4.1	34
50	Metformin and caloric restriction induce an AMPK-dependent restoration of mitochondrial dysfunction in fibroblasts from Fibromyalgia patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1257-1267.	3.8	33
51	The osmotic action of sugar combined with hydrogen peroxide and bee-derived antibacterial peptide Defensin-1 is crucial for the antibiofilm activity of eucalyptus honey. <i>LWT - Food Science and Technology</i> , 2021, 136, 110379.	5.2	33
52	Wild Andean blackberry (<i>Rubus glaucus</i> Benth) and Andean blueberry (<i>Vaccinium floribundum</i> Kunth) from the Highlands of Ecuador: Nutritional composition and protective effect on human dermal fibroblasts against cytotoxic oxidative damage. <i>Journal of Berry Research</i> , 2018, 8, 223-236.	1.4	32
53	Folate content in different strawberry genotypes and folate status in healthy subjects after strawberry consumption. <i>BioFactors</i> , 2008, 34, 47-55.	5.4	31
54	Chemical Composition and Antioxidant Activity of the Main Fruits Consumed in the Western Coastal Region of Ecuador as a Source of Health-Promoting Compounds. <i>Antioxidants</i> , 2019, 8, 387.	5.1	30

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55	Effects of an acute strawberry (<i>Fragaria Å— ananassa</i>) consumption on the plasma antioxidant status of healthy subjects. <i>Journal of Berry Research</i> , 2013, 3, 169-179.	1.4	29
56	Nutritional Value and Preventive Role of <i>Nigella sativa</i> L. and Its Main Component Thymoquinone in Cancer: An Evidenced-Based Review of Preclinical and Clinical Studies. <i>Molecules</i> , 2021, 26, 2108.	3.8	28
57	Organic vs conventional plant-based foods: A review. <i>Food Chemistry</i> , 2022, 383, 132352.	8.2	28
58	Honey quality parameters, chemical composition and antimicrobial activity in twelve Ecuadorian stingless bees (<i>Apidae: Apinae: Meliponini</i>) tested against multiresistant human pathogens. <i>LWT - Food Science and Technology</i> , 2021, 140, 110737.	5.2	27
59	Mutation in cytochrome b gene of mitochondrial DNA in a family with fibromyalgia is associated with NLRP3-inflammasome activation. <i>Journal of Medical Genetics</i> , 2016, 53, 113-122.	3.2	26
60	Phytochemical Analysis and Biological Investigation of <i>Nepeta juncea</i> Benth. Different Extracts. <i>Plants</i> , 2020, 9, 646.	3.5	26
61	Guava (<i>Psidium guajava</i> L. cv. Red Suprema) Crude Extract Protect Human Dermal Fibroblasts against Cytotoxic Damage Mediated by Oxidative Stress. <i>Plant Foods for Human Nutrition</i> , 2018, 73, 18-24.	3.2	25
62	Bioactive compounds, phenolic profile, antioxidant capacity and effectiveness against lipid peroxidation of cell membranes of <i>Mauritia flexuosa</i> L. fruit extracts from three biomes in the Ecuadorian Amazon. <i>Heliyon</i> , 2020, 6, e05211.	3.2	24
63	Anti-inflammatory effect of the medicinal herbal mixture infusion, Horchata, from southern Ecuador against LPS-induced cytotoxic damage in RAW 264.7 macrophages. <i>Food and Chemical Toxicology</i> , 2019, 131, 110594.	3.6	20
64	A Pilot Study of the Photoprotective Effects of Strawberry-Based Cosmetic Formulations on Human Dermal Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17870-17884.	4.1	19
65	Nutraceutical Compounds Targeting Inflammasomes in Human Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4829.	4.1	18
66	Nutrition and Rheumatoid Arthritis in the "Omics" Era. <i>Nutrients</i> , 2021, 13, 763.	4.1	18
67	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. <i>Food and Chemical Toxicology</i> , 2021, 156, 112484.	3.6	18
68	Computational modeling predicts potential effects of the herbal infusion "horchata" against COVID-19. <i>Food Chemistry</i> , 2022, 366, 130589.	8.2	18
69	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, 1918.	3.8	17
70	Chemical Composition and Antioxidant Activity of the Main Fruits, Tubers and Legumes Traditionally Consumed in the Andean Regions of Ecuador as a Source of Health-Promoting Compounds. <i>Plant Foods for Human Nutrition</i> , 2019, 74, 350-357.	3.2	16
71	Edible insects: A novel nutritious, functional, and safe food alternative. <i>Food Frontiers</i> , 2022, 3, 358-365.	7.4	13
72	Effect of thermal liquefaction on quality, chemical composition and antibiofilm activity against multiresistant human pathogens of crystallized eucalyptus honey. <i>Food Chemistry</i> , 2021, 365, 130519.	8.2	12

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73	Three Amazonian palms as underestimated and little-known sources of nutrients, bioactive compounds and edible insects. <i>Food Chemistry</i> , 2022, 372, 131273.	8.2	11
74	Metabolomic profile and computational analysis for the identification of the potential anti-inflammatory mechanisms of action of the traditional medicinal plants <i>Ocimum basilicum</i> and <i>Ocimum tenuiflorum</i> . <i>Food and Chemical Toxicology</i> , 2022, 164, 113039.	3.6	10
75	Manuka honey in combination with 5-Fluorouracil decreases physical parameters of colonspheres enriched with cancer stem-like cells and reduces their resistance to apoptosis. <i>Food Chemistry</i> , 2022, 374, 131753.	8.2	9
76	The Molecular Basis of Different Approaches for the Study of Cancer Stem Cells and the Advantages and Disadvantages of a Three-Dimensional Culture. <i>Molecules</i> , 2021, 26, 2615.	3.8	8
77	Anti-inflammatory activities of Italian Chestnut and Eucalyptus honeys on murine RAW 264.7 macrophages. <i>Journal of Functional Foods</i> , 2021, 87, 104752.	3.4	7
78	Protective effect of the medicinal herb infusion "horchata" against oxidative damage in cigarette smokers: An ex vivo study. <i>Food and Chemical Toxicology</i> , 2020, 143, 111538.	3.6	6
79	Chemical characterisation and antioxidant activity of <i>Aphandra natalia</i> mesocarp and its oil from the Amazon region of Ecuador. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 2835-2843.	3.2	5
80	Evaluation of strawberry (<i>Fragaria</i> — <i>ananassa</i> Duch.) "Alba"™ sensorial and nutritional quality, and its in vitro effects against human breast cancer cells viability. <i>Acta Horticulturae</i> , 2017, , 379-388.	0.2	4
81	Data on body weight and liver functionality in aged rats fed an enriched strawberry diet. <i>Data in Brief</i> , 2017, 13, 432-436.	1.0	3
82	Bioactive compounds and antioxidant capacity of <i>Chuquiraga jussieui</i> J.F.Gmel from the highlands of Ecuador. <i>Natural Product Research</i> , 2020, 34, 2652-2655.	1.8	3
83	Increased salinity stress tolerance of <i>Nicotiana tabacum</i> L. in vitro plants with the addition of xyloglucan oligosaccharides to the culture medium. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 325-334.	2.1	3
84	Detection of a chromosomal truncated <i>cfr</i> gene in a linezolid-susceptible LA-MRSA ST398 isolate of porcine origin, Italy. <i>Journal of Global Antimicrobial Resistance</i> , 2021, 26, 199-201.	2.2	3
85	Chemical characterization, fatty acid profile and antioxidant activity of <i>Gustavia macarenensis</i> ; fruit mesocarp and its oil from the Amazonian region of Ecuador as an unconventional source of vegetable oil. <i>Grasas Y Aceites</i> , 2019, 70, 298.	0.9	3
86	Application of exogenous xyloglucan oligosaccharides affects molecular responses to salt stress in <i>Arabidopsis thaliana</i> seedlings. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	3.4	2
87	Pechiche (<i>Vitex cymosa</i> 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. <i>Antioxidants</i> , 2020, 9, 109.	5.1	2
88	Phytochemical profiling of strawberry fruits, and bioactive compounds from the same selected cultivar in human plasma during a medium-term consumption study. <i>BMC Proceedings</i> , 2012, 6, .	1.6	1
89	Effects of three genetically-modified strawberry selections on human dermal fibroblasts exposed to AAPH-induced oxidative stress. <i>Acta Horticulturae</i> , 2017, , 405-412.	0.2	0
90	SUN-PO122: Antioxidant Effects of Herbal Mixture Infusion (Horchata) on Cigarette Smokers: Ex Vivo Study. <i>Clinical Nutrition</i> , 2019, 38, S104.	5.0	0